

TABLE Z.—AVAILABLE WATER-POWER IN NEW ZEALAND: SCHEMES OF 1,000 HORSE-POWER AND OVER.

| Source of Power.                | Position of Power-house. | Available Flow: Cubic Feet per Second. | Available Head. | Average Power on 50-per-cent. Load Factor. |         | Nearest City, Port, or Deep Water. | Distance. |
|---------------------------------|--------------------------|----------------------------------------|-----------------|--------------------------------------------|---------|------------------------------------|-----------|
| NORTH ISLAND.                   |                          |                                        |                 |                                            |         |                                    |           |
| <i>North Auckland District—</i> |                          |                                        | Ft.             | H.p.                                       | Kw.     |                                    | Miles.    |
| Wairua Falls .. ..              | Wairua Falls .. ..       | 150*                                   | 130             | 3,200                                      | 2,400   | Whangarei ..                       | 18        |
| Omapere .. ..                   | Utakura Stream ..        | 11*                                    | 550             | 1,000                                      | 750     | ..                                 | ..        |
| <i>South Auckland District—</i> |                          |                                        |                 |                                            |         |                                    |           |
| Kaituna .. ..                   | Kaituna River ..         | 500†                                   | 784             | 65,000                                     | 50,000  | Tauranga ..                        | 25        |
|                                 |                          |                                        |                 |                                            |         | Auckland ..                        | 125       |
| Wairoa River .. ..              | Wairoa .. ..             | 420*                                   | 80              | 5,600                                      | 4,200   | Tauranga ..                        | 20        |
| Waikato River .. ..             | Aratiatia Rapids ..      | 4,400†                                 | 170             | 136,000                                    | 100,000 | Auckland ..                        | 154       |
| Waikato River .. ..             | Orakeikorako Rapids ..   | 4,400†                                 | 35              | 14,000                                     | 10,000  | Auckland ..                        | 148       |
| Waikato River .. ..             | Aniwhaniwha Falls ..     | 4,400†                                 | 80              | 32,000                                     | 24,000  | Auckland ..                        | 142       |
| Waikato River .. ..             | Atiamuri Rapids ..       | 4,400†                                 | 25              | 10,000                                     | 7,500   | Auckland ..                        | 139       |
| Waikato River .. ..             | Arapuni Gorge ..         | 5,300†                                 | 165             | 163,000                                    | 120,000 | Auckland ..                        | 105       |
| Waikato River .. ..             | Horahora Rapids ..       | 5,300†                                 | 27              | 13,000                                     | 10,000  | Auckland ..                        | 97        |
| Pokaiwhenua River ..            | Horahora Rapids ..       | 165*                                   | 170             | 4,600                                      | 3,400   | Auckland ..                        | 97        |
| Marakopa Falls .. ..            | Marakopa .. ..           | 90                                     | 420             | 3,100                                      | 2,300   | Te Kuiti ..                        | 27        |
| Wairere Falls .. ..             | Wairere Falls ..         | 160*                                   | 60              | 1,600                                      | 1,200   | Te Kuiti ..                        | 22        |
| <i>Hawke's Bay District—</i>    |                          |                                        |                 |                                            |         |                                    |           |
| Waikaremoana .. ..              | Upper Waikaretaheke ..   | 530†                                   | 1,100           | 97,000                                     | 75,000  | Gisborne ..                        | 50        |
| Waikaremoana .. ..              | Lower Waikaretaheke ..   | 530†                                   | 360             | 32,000                                     | 24,000  | Napier ..                          | 60        |
| Te Reinga Falls .. ..           | Te Reinga Falls ..       | 124                                    | 125             | 1,300                                      | 1,000   | Gisborne ..                        | 35        |
| Waikohu River .. ..             | Waikohu .. ..            | 45†                                    | 847             | 6,000                                      | 4,500   | Gisborne ..                        | 28        |
| <i>Wanganui District—</i>       |                          |                                        |                 |                                            |         |                                    |           |
| Mangawhero River ..             | Raukawa Falls ..         | 125                                    | 90              | 1,000                                      | 750     | Wanganui ..                        | 45        |
| Mangawhero River ..             | Wanganui River ..        | 125                                    | 680             | 7,100                                      | 6,950   | Wanganui ..                        | 24        |
| Rangitikei River ..             | Makohine .. ..           | 1,500†                                 | 300             | 75,000                                     | 56,000  | Wanganui ..                        | 48        |
| Wangaehu River ..               | Wangaehu River ..        | 260                                    | 70              | 1,500                                      | 1,100   | Wanganui ..                        | 25        |
| Karioi .. ..                    | Karioi .. ..             | 300*                                   | 180             | 8,800                                      | 6,600   | Wanganui ..                        | 60        |
| <i>Taranaki District—</i>       |                          |                                        |                 |                                            |         |                                    |           |
| Waitara River .. ..             | Waitara River ..         | 400                                    | 140             | 4,600                                      | 3,600   | New Plymouth                       | 12        |
| Waiwakaiho .. ..                | Waiwakaiho ..            | 150†                                   | 250             | 6,200                                      | 4,800   | New Plymouth                       | 4         |
| Manganui River ..               | Waitara River ..         | 415†                                   | 340             | 26,000                                     | 19,400  | New Plymouth                       | 25        |
| <i>Wellington District—</i>     |                          |                                        |                 |                                            |         |                                    |           |
| Mangahao River ..               | Shannon .. ..            | 160†                                   | 895             | 24,000                                     | 18,000  | Wellington ..                      | 65        |
| Makuri River .. ..              | Makuri Gorge ..          | 100*                                   | 384             | 6,400                                      | 4,800   | Pahiatua ..                        | 20        |
| Waiohine .. ..                  | Woodside .. ..           | 120*                                   | 120             | 2,400                                      | 1,800   | Masterton ..                       | 15        |
| Hutt River .. ..                | Mangaroa .. ..           | 200†                                   | 330             | 11,000                                     | 8,300   | Wellington ..                      | 24        |
| Tauherenikau .. ..              | Featherston ..           | 150*                                   | 440             | 11,000                                     | 8,300   | Wairarapa ..                       | ..        |
| Kourarau .. ..                  | Kourarau .. ..           | 20                                     | 755             | 2,680                                      | 2,000   | Masterton ..                       | 12        |
| Totals—North Island             | ..                       | ..                                     | ..              | 776,080                                    | 582,650 |                                    |           |

\* Signifies daily storage available to utilize 50-per-cent. load factor.

† Signifies seasonal storage made available.