Appendix

APPENDIX TABLE The Detailed Load Data of Each Node in Different Planning Stages (Unit: MVA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nodes | Planning Stage | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 | H11 | H12 | H13 | H14 | H15 | H16 | H17 | H18 | H19 | H20 | H21 | H22 | H23 | H24 |
| 1 | 1 | 7.3 | 6.9 | 6.7 | 6.6 | 6.6 | 6.9 | 7.6 | 8.4 | 8.9 | 9.3 | 9.6 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.5 | 10.7 | 10.6 | 10.5 | 10.3 | 9.9 | 9.0 | 8.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 2 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 4 | 1 | 9.1 | 8.6 | 8.3 | 8.2 | 8.3 | 8.7 | 9.5 | 10.5 | 11.1 | 11.6 | 11.9 | 12.2 | 12.4 | 12.5 | 12.7 | 12.8 | 13.1 | 13.3 | 13.3 | 13.1 | 12.9 | 12.3 | 11.2 | 10.0 |
| 2 | 14.6 | 13.8 | 13.3 | 13.1 | 13.3 | 13.9 | 15.2 | 16.7 | 17.8 | 18.6 | 19.1 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 | 20.9 | 21.4 | 21.2 | 21.0 | 20.7 | 19.7 | 18.0 | 16.1 |
| 3 | 18.3 | 17.2 | 16.6 | 16.4 | 16.6 | 17.4 | 19.0 | 20.9 | 22.3 | 23.2 | 23.9 | 24.4 | 24.7 | 25.1 | 25.3 | 25.6 | 26.2 | 26.7 | 26.5 | 26.2 | 25.8 | 24.7 | 22.5 | 20.1 |
| 5 | 1 | 7.3 | 6.9 | 6.7 | 6.6 | 6.6 | 6.9 | 7.6 | 8.4 | 8.9 | 9.3 | 9.6 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.5 | 10.7 | 10.6 | 10.5 | 10.3 | 9.9 | 9.0 | 8.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 6 | 1 | 7.3 | 6.9 | 6.7 | 6.6 | 6.6 | 6.9 | 7.6 | 8.4 | 8.9 | 9.3 | 9.6 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.5 | 10.7 | 10.6 | 10.5 | 10.3 | 9.9 | 9.0 | 8.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 7 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 14.6 | 13.8 | 13.3 | 13.1 | 13.3 | 13.9 | 15.2 | 16.7 | 17.8 | 18.6 | 19.1 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 | 20.9 | 21.4 | 21.2 | 21.0 | 20.7 | 19.7 | 18.0 | 16.1 |
| 3 | 18.3 | 17.2 | 16.6 | 16.4 | 16.6 | 17.4 | 19.0 | 20.9 | 22.3 | 23.2 | 23.9 | 24.4 | 24.7 | 25.1 | 25.3 | 25.6 | 26.2 | 26.7 | 26.5 | 26.2 | 25.8 | 24.7 | 22.5 | 20.1 |
| 8 | 1 | 7.3 | 6.9 | 6.7 | 6.6 | 6.6 | 6.9 | 7.6 | 8.4 | 8.9 | 9.3 | 9.6 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.5 | 10.7 | 10.6 | 10.5 | 10.3 | 9.9 | 9.0 | 8.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 9 | 1 | 9.1 | 8.6 | 8.3 | 8.2 | 8.3 | 8.7 | 9.5 | 10.5 | 11.1 | 11.6 | 11.9 | 12.2 | 12.4 | 12.5 | 12.7 | 12.8 | 13.1 | 13.3 | 13.3 | 13.1 | 12.9 | 12.3 | 11.2 | 10.0 |
| 2 | 14.6 | 13.8 | 13.3 | 13.1 | 13.3 | 13.9 | 15.2 | 16.7 | 17.8 | 18.6 | 19.1 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 | 20.9 | 21.4 | 21.2 | 21.0 | 20.7 | 19.7 | 18.0 | 16.1 |
| 3 | 18.3 | 17.2 | 16.6 | 16.4 | 16.6 | 17.4 | 19.0 | 20.9 | 22.3 | 23.2 | 23.9 | 24.4 | 24.7 | 25.1 | 25.3 | 25.6 | 26.2 | 26.7 | 26.5 | 26.2 | 25.8 | 24.7 | 22.5 | 20.1 |
| 10 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 11 | 1 | 7.3 | 6.9 | 6.7 | 6.6 | 6.6 | 6.9 | 7.6 | 8.4 | 8.9 | 9.3 | 9.6 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.5 | 10.7 | 10.6 | 10.5 | 10.3 | 9.9 | 9.0 | 8.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 12 | 1 | 9.1 | 8.6 | 8.3 | 8.2 | 8.3 | 8.7 | 9.5 | 10.5 | 11.1 | 11.6 | 11.9 | 12.2 | 12.4 | 12.5 | 12.7 | 12.8 | 13.1 | 13.3 | 13.3 | 13.1 | 12.9 | 12.3 | 11.2 | 10.0 |
| 2 | 14.6 | 13.8 | 13.3 | 13.1 | 13.3 | 13.9 | 15.2 | 16.7 | 17.8 | 18.6 | 19.1 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 | 20.9 | 21.4 | 21.2 | 21.0 | 20.7 | 19.7 | 18.0 | 16.1 |
| 3 | 18.3 | 17.2 | 16.6 | 16.4 | 16.6 | 17.4 | 19.0 | 20.9 | 22.3 | 23.2 | 23.9 | 24.4 | 24.7 | 25.1 | 25.3 | 25.6 | 26.2 | 26.7 | 26.5 | 26.2 | 25.8 | 24.7 | 22.5 | 20.1 |
| 13 | 1 | 7.3 | 6.9 | 6.7 | 6.6 | 6.6 | 6.9 | 7.6 | 8.4 | 8.9 | 9.3 | 9.6 | 9.8 | 9.9 | 10.0 | 10.1 | 10.2 | 10.5 | 10.7 | 10.6 | 10.5 | 10.3 | 9.9 | 9.0 | 8.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 14 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 15 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 3 | 11.0 | 10.3 | 10.0 | 9.8 | 9.9 | 10.4 | 11.4 | 12.5 | 13.4 | 13.9 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 | 15.4 | 15.7 | 16.0 | 15.9 | 15.7 | 15.5 | 14.8 | 13.5 | 12.1 |
| 16 | 1 | 9.1 | 8.6 | 8.3 | 8.2 | 8.3 | 8.7 | 9.5 | 10.5 | 11.1 | 11.6 | 11.9 | 12.2 | 12.4 | 12.5 | 12.7 | 12.8 | 13.1 | 13.3 | 13.3 | 13.1 | 12.9 | 12.3 | 11.2 | 10.0 |
| 2 | 14.6 | 13.8 | 13.3 | 13.1 | 13.3 | 13.9 | 15.2 | 16.7 | 17.8 | 18.6 | 19.1 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 | 20.9 | 21.4 | 21.2 | 21.0 | 20.7 | 19.7 | 18.0 | 16.1 |
| 3 | 18.3 | 17.2 | 16.6 | 16.4 | 16.6 | 17.4 | 19.0 | 20.9 | 22.3 | 23.2 | 23.9 | 24.4 | 24.7 | 25.1 | 25.3 | 25.6 | 26.2 | 26.7 | 26.5 | 26.2 | 25.8 | 24.7 | 22.5 | 20.1 |