PRINCE EDWARD ISLAND
Regulatory & Appeals Commission
Commission de réglementation et d'appels
ÎLE-DU-PRINCE-ÉDOUARD
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**Table 2. Illustration of First Cost of Alternative Portfolio Combinations**

| Incremental Nameplate MW | Project P2 | Project CT only | P11 | P12 | P13 | [redacted] | P15 | [redacted] |
|---|---|---|---|---|---|---|---|---|
| Project CT | 100 | 100 | | | | [redacted] | | [redacted] |
| On-island wind | | | 100 | 100 | 100 | [redacted] | 100 | [redacted] |
| 8-Hour BESS | | | | | 50 | [redacted] | 100 | [redacted] |
| 4-Hour bess | 9 | | 50 | 100 | | [redacted] | | [redacted] |
| RICE | 40 | | 40 | 40 | 40 | [redacted] | 20 | [redacted] |
| DR | 3 | 3 | 3 | 3 | 3 | [redacted] | 3 | [redacted] |
| NB firm | 15 | 15 | 15 | 15 | 15 | [redacted] | 15 | [redacted] |
| **Total Nameplate Excl DR, NB** | 149 | 100 | 190 | 240 | 190 | [redacted] | 220 | [redacted] |
| | | | | | | [redacted] | | [redacted] |
| **Marginal ELCC for Amount Listed Above** | | | | | | [redacted] | | [redacted] |
| Project CT | 75.0% | 75.0% | | | | [redacted] | | [redacted] |
| Wind | | | 6.0% | 6.0% | 6.0% | [redacted] | 6.0% | [redacted] |
| 8-Hour BESS | | | 77.4% | | 77.4% | [redacted] | 64.4% | [redacted] |
| 4-hour BESS | 67.2% | | 56.3% | 43.8% | | [redacted] | | [redacted] |
| RICE | 86.0% | 86.0% | 86.0% | 86.0% | 86.0% | [redacted] | 86.0% | [redacted] |
| DR | 95.0% | 95.0% | 95.0% | 95.0% | 95.0% | [redacted] | 95.0% | [redacted] |
| NB firm | 97.0% | 97.0% | 97.0% | 97.0% | 97.0% | [redacted] | 97.0% | [redacted] |
| | | | | | | [redacted] | | [redacted] |
| **Perfect Capacity MW** | | | | | | [redacted] | | [redacted] |
| Project CT | 75.0 | 75.0 | | | | [redacted] | | [redacted] |
| Wind | | | 6.0 | 6.0 | 6.0 | [redacted] | 6.0 | [redacted] |
| 8-Hour BESS | | | 0.0 | 0.0 | 38.7 | [redacted] | 64.4 | [redacted] |
| 4 hr bess | 6.0 | | 28.2 | 43.8 | 0.0 | [redacted] | 0.0 | [redacted] |
| RICE | 34.4 | | 34.4 | 34.4 | 34.4 | [redacted] | 17.2 | [redacted] |
| DR | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | [redacted] | 2.9 | [redacted] |
| NB firm | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | [redacted] | 14.6 | [redacted] |
| Total Marginal | 132.8 | 92.4 | 86.0 | 101.6 | 96.5 | [redacted] | 105.0 | [redacted] |
| | | | | | | [redacted] | | [redacted] |
| Interactive % | 0% | 0% | 5% | 5% | 5% | [redacted] | 5% | [redacted] |
| Interactive MW | 0.0 | 0.0 | 4.3 | 5.1 | 4.8 | [redacted] | 5.3 | [redacted] |
| | | | | | | [redacted] | | [redacted] |
| **Total ELCC MW** | 132.8 | 92.4 | 90.3 | 106.6 | 101.3 | [redacted] | 110.3 | [redacted] |
| | | | | | | [redacted] | | [redacted] |
| **Cost per unit - $MM/MW** | | | | | | [redacted] | | [redacted] |
| Project CT | 3.53 | 3.53 | 3.53 | 3.53 | 3.53 | [redacted] | 3.53 | [redacted] |
| Wind | | | | | | [redacted] | | [redacted] |
| 8-Hour BESS | 3.84 | 3.84 | 3.84 | 3.84 | 3.84 | [redacted] | 3.84 | [redacted] |
| 4 hr bess | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | [redacted] | 2.40 | [redacted] |
| RICE | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | [redacted] | 4.00 | [redacted] |
| | | | | | | [redacted] | | [redacted] |
| **Cost, $ Millions** | | | | | | [redacted] | | [redacted] |
| Project CT | 353.0 | 353.0 | 0.0 | 0.0 | 0.0 | [redacted] | 0.0 | [redacted] |
| Wind | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | [redacted] | 0.0 | [redacted] |
| 8-Hour BESS | 0.0 | 0.0 | 0.0 | 0.0 | 192.0 | [redacted] | 384.0 | [redacted] |
| 4 hr bess | 21.6 | 0.0 | 120.0 | 240.0 | 0.0 | [redacted] | 0.0 | [redacted] |
| RICE | 160.0 | 0.0 | 160.0 | 160.0 | 160.0 | [redacted] | 80.0 | [redacted] |
| **Total Build Cost Excl NB and DR** | 534.6 | 353.0 | 280.0 | 400.0 | 352.0 | [redacted] | 464.0 | [redacted] |
| | | | | | | [redacted] | | [redacted] |
| **Total build cost per ELCC capacity** | 4.02 | 3.82 | 3.10 | 3.75 | 3.47 | [redacted] | 4.21 | [redacted] |