

| Table 5.4.3-1                                                                                                  |                                 |                           |                                   |                                         |                                            |
|----------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------|-----------------------------------|-----------------------------------------|--------------------------------------------|
| Summary of Maximum Anticipated Temporary and Permanent Impacts to Benthic Habitat-Smaller Project – Scour Mats |                                 |                           |                                   |                                         |                                            |
| Smaller Project Alternative at Horseshoe Shoal - Scour Mats                                                    |                                 |                           |                                   |                                         |                                            |
|                                                                                                                | Area of Impact<br>(square feet) | Area of Impact<br>(acres) | Area of Impact<br>(square meters) | Percent of<br>Project Area<br><u>a/</u> | Percent of<br>Nantucket<br>Sound <u>b/</u> |
| TEMPORARY IMPACTS                                                                                              |                                 |                           |                                   |                                         |                                            |
| OUTSIDE 3-MILE LIMIT - FEDERAL WATERS                                                                          |                                 |                           |                                   |                                         |                                            |
| <b>Inner-array cables (29.7 miles)</b>                                                                         |                                 |                           |                                   |                                         |                                            |
| Inner array cables                                                                                             | 940,896                         | 21.60                     | 87,412                            | 0.286                                   | 0.0060                                     |
| Pontoon impacts                                                                                                | 940,896                         | 21.60                     | 87,412                            | 0.286                                   | 0.0060                                     |
| Anchoring to install cables                                                                                    | 101,426                         | 2.33                      | 9,423                             | 0.031                                   | 0.0006                                     |
| Anchor line sweep for installation                                                                             | 9,262,836                       | 212.65                    | 860,546                           | 2.816                                   | 0.0593                                     |
| Barge to hold Cables                                                                                           | 1,260                           | 0.03                      | 117                               | 0.00038                                 | 0.000008                                   |
| <b>Sub-total</b>                                                                                               | <b>11,247,314</b>               | <b>258</b>                | <b>1,044,793</b>                  | <b>3.4</b>                              | <b>0.07</b>                                |
| <b>Submarine cable system (5.9 miles)</b>                                                                      |                                 |                           |                                   |                                         |                                            |
| 115kV submarine cable system                                                                                   | 373,824                         | 8.58                      | 34,729.4                          | 0.114                                   | 0.002                                      |
| Pontoon impacts                                                                                                | 373,824                         | 8.58                      | 34,729.4                          | 0.114                                   | 0.002                                      |
| Anchoring to install cable system                                                                              | 86,341                          | 1.98                      | 8,021.3                           | 0.026                                   | 0.00054                                    |
| Anchor line sweep for installation                                                                             | 3,680,184                       | 84.49                     | 341,900.3                         | 1.119                                   | 0.02232                                    |
| <b>Sub-total</b>                                                                                               | <b>4,514,173</b>                | <b>104</b>                | <b>419,380</b>                    | <b>1.37</b>                             | <b>0.03</b>                                |
| <b>Construction of WTGs and ESP</b>                                                                            |                                 |                           |                                   |                                         |                                            |
| Jack-up Barges for WTGs                                                                                        | 201,497                         | 4.63                      | 18,720                            | 0.0613                                  | 0.0013                                     |
| Barges for ESP                                                                                                 | 8,138                           | 0.19                      | 756                               | 0.0025                                  | 0.0001                                     |
| <b>Sub-total</b>                                                                                               | <b>209,636</b>                  | <b>4.81</b>               | <b>19,476</b>                     | <b>0.0637</b>                           | <b>0.0013</b>                              |
| <b>Scour Control</b>                                                                                           |                                 |                           |                                   |                                         |                                            |
| WTG scour control mats                                                                                         | 52,767                          | 1.21                      | 4902.21                           | 0.0160                                  | 0.00034                                    |
| Anchoring to Install WTG Scour Mats                                                                            | 10,842                          | 0.25                      | 1007.25                           | 0.0033                                  | 0.00007                                    |
| ESP scour control mats                                                                                         | 4,871                           | 0.11                      | 452.51                            | 0.0015                                  | 0.00003                                    |
| Anchoring to Install ESP Scour Mats                                                                            | 1,001                           | 0.02                      | 92.98                             | 0.0003                                  | 0.00001                                    |
| <b>Sub-total</b>                                                                                               | <b>69,481</b>                   | <b>1.60</b>               | <b>6,455</b>                      | <b>0.021</b>                            | <b>0.000</b>                               |
| <b>Total Temporary Impacts Outside the 3-mile Limit</b>                                                        | <b>16,040,602</b>               | <b>368</b>                | <b>1,490,104</b>                  | <b>4.88</b>                             | <b>0.101</b>                               |
| INSIDE 3-MILE LIMIT - STATE WATERS                                                                             |                                 |                           |                                   |                                         |                                            |
| <b>Submarine cable system (7.6 miles)</b>                                                                      |                                 |                           |                                   |                                         |                                            |
| 115kV submarine cable system                                                                                   | 481,536                         | 11.05                     | 44,736                            | 0.1464                                  | 0.0031                                     |
| Pontoon impacts                                                                                                | 481,536                         | 11.05                     | 44,736                            | 0.1464                                  | 0.0031                                     |
| Anchoring to install cable                                                                                     | 111,218                         | 2.55                      | 10,333                            | 0.0338                                  | 0.0007                                     |
| Anchor line sweep for installation                                                                             | 4,740,576                       | 108.83                    | 440,414                           | 1.4411                                  | 0.0304                                     |
| Pre-excavation pit for HDD                                                                                     | 2,925                           | 0.067                     | 272                               | 0.0009                                  | 0.0000                                     |
| Barges for HDD Operation                                                                                       | 2,513                           | 0.058                     | 233                               | 0.0008                                  | 0.0000                                     |
| <b>Total Temporary Impacts Inside the 3-mile Limit</b>                                                         | <b>5,820,304</b>                | <b>133.62</b>             | <b>540,724</b>                    | <b>1.7693</b>                           | <b>0.0373</b>                              |
| <b>TOTAL TEMPORARY IMPACTS</b>                                                                                 | <b>21,860,906</b>               | <b>501.83</b>             | <b>2,030,828</b>                  | <b>6.64</b>                             | <b>0.14</b>                                |
| PERMANENT IMPACTS                                                                                              |                                 |                           |                                   |                                         |                                            |
| <b>WTG and ESP pilings</b>                                                                                     |                                 |                           |                                   |                                         |                                            |
| 61 WTGs (16.75' diameter pile) (0-39 feet)                                                                     | 13,441                          | 0.31                      | 1248.74                           | 0.0041                                  | 0.0001                                     |
| 4 WTGs (18.0' diameter pile) (40-> feet)                                                                       | 1,018                           | 0.02                      | 94.56                             | 0.0003                                  | 0.00001                                    |
| 6 ESP Piles                                                                                                    | 58                              | 0.0013                    | 5.3512                            | 0.00002                                 | 0.0000004                                  |
| <b>Total Pile Impacts</b>                                                                                      | <b>14,517</b>                   | <b>0.33</b>               | <b>1349</b>                       | <b>0.0044</b>                           | <b>0.0001</b>                              |
| <b>TOTAL PERMANENT IMPACTS</b>                                                                                 | <b>14,517</b>                   | <b>0.33</b>               | <b>1,349</b>                      | <b>0.0044</b>                           | <b>0.0001</b>                              |
| <b>TOTAL FOR ALL IMPACTS</b>                                                                                   | <b>21,875,423</b>               | <b>502</b>                | <b>2,032,176</b>                  | <b>6.65</b>                             | <b>0.1388</b>                              |
| <u>a/</u> Project Area $\cong$ 11.8 square miles (~30.5 km <sup>2</sup> )                                      |                                 |                           |                                   |                                         |                                            |
| <u>b/</u> Area of Nantucket Sound $\cong$ 560 square miles (1,450 km <sup>2</sup> )                            |                                 |                           |                                   |                                         |                                            |