

Vul hieronder de hoekpunten in van het windpark.

Coördinaten invullen op basis van UTM zone 31 ED50, eenheid meters en in meters nauwkeurig

Let op: Drie tabbladen

Tekst in ROOD dient ter illustratie en dient ingevuld te worden

**GWS Offshore NL 1**

**09.12.2008**

**Dr. U. Schadek, PGU**

| Hoekpunten | x-coördinaat |         | y-coördinaat |           |
|------------|--------------|---------|--------------|-----------|
|            |              | Easting |              | Northing  |
| A          |              | 687.196 |              | 5.996.661 |
| B          |              | 687.203 |              | 5.996.218 |
| C          |              | 684.265 |              | 5.993.693 |
| D          |              | 688.668 |              | 5.988.105 |
| E          |              | 692.897 |              | 5.988.250 |
| F          |              | 689.493 |              | 5.997.050 |

Vul hieronder de posities van de windturbines in

Coördinaten invullen op basis van UTM zone 31 ED50, eenheid meters en in meters nauwkeurig

Tekst in ROOD dient ter illustratie en dient ingevuld te worden

| Windturbinennummer | x-coördinaat |         | y-coördinaat |           |
|--------------------|--------------|---------|--------------|-----------|
|                    | Easting      |         | Northing     |           |
|                    | 1            | 687.785 |              | 5.990.683 |
|                    | 2            | 687.595 |              | 5.995.327 |
|                    | 3            | 686.975 |              | 5.994.788 |
|                    | 4            | 686.290 |              | 5.994.191 |
|                    | 5            | 687.486 |              | 5.991.385 |
|                    | 6            | 687.187 |              | 5.992.086 |
|                    | 7            | 686.888 |              | 5.992.788 |
|                    | 8            | 686.589 |              | 5.993.490 |
|                    | 9            | 689.202 |              | 5.989.032 |
|                    | 10           | 688.884 |              | 5.989.854 |
|                    | 11           | 688.566 |              | 5.990.676 |
|                    | 12           | 688.248 |              | 5.991.499 |
|                    | 13           | 687.930 |              | 5.992.321 |
|                    | 14           | 687.612 |              | 5.993.143 |
|                    | 15           | 687.294 |              | 5.993.966 |
|                    | 16           | 690.033 |              | 5.989.025 |
|                    | 17           | 689.728 |              | 5.989.813 |
|                    | 18           | 689.423 |              | 5.990.601 |
|                    | 19           | 689.119 |              | 5.991.388 |
|                    | 20           | 688.814 |              | 5.992.176 |
|                    | 21           | 688.509 |              | 5.992.964 |
|                    | 22           | 688.204 |              | 5.993.752 |
|                    | 23           | 687.900 |              | 5.994.539 |
|                    | 24           | 687.024 |              | 5.995.965 |
|                    | 25           | 684.899 |              | 5.994.139 |
|                    | 26           | 685.431 |              | 5.994.596 |
|                    | 27           | 685.962 |              | 5.995.052 |
|                    | 28           | 686.493 |              | 5.995.509 |
|                    | 29           | 687.272 |              | 5.996.598 |
|                    | 30           | 688.721 |              | 5.996.843 |
|                    | 31           | 687.996 |              | 5.996.721 |
|                    | 32           | 688.153 |              | 5.990.040 |
|                    | 33           | 686.422 |              | 5.992.238 |
|                    | 34           | 689.445 |              | 5.996.966 |
|                    | 35           | 684.368 |              | 5.993.683 |
|                    | 36           | 688.222 |              | 5.988.793 |
|                    | 37           | 687.740 |              | 5.989.404 |
|                    | 38           | 687.258 |              | 5.990.015 |
|                    | 39           | 686.777 |              | 5.990.626 |
|                    | 40           | 686.295 |              | 5.991.238 |
|                    | 41           | 685.813 |              | 5.991.849 |
|                    | 42           | 685.332 |              | 5.992.460 |
|                    | 43           | 684.850 |              | 5.993.072 |
|                    | 44           | 688.703 |              | 5.988.181 |
|                    | 45           | 686.030 |              | 5.992.844 |
|                    | 46           | 685.593 |              | 5.993.585 |
|                    | 47           | 691.972 |              | 5.988.293 |
|                    | 48           | 691.155 |              | 5.988.265 |
|                    | 49           | 690.338 |              | 5.988.237 |
|                    | 50           | 689.521 |              | 5.988.209 |
|                    | 51           | 688.214 |              | 5.995.866 |
|                    | 52           | 688.995 |              | 5.995.988 |
|                    | 53           | 690.861 |              | 5.989.025 |
|                    | 54           | 690.567 |              | 5.989.786 |
|                    | 55           | 690.273 |              | 5.990.546 |
|                    | 56           | 689.978 |              | 5.991.306 |
|                    | 57           | 689.390 |              | 5.992.826 |
|                    | 58           | 689.096 |              | 5.993.586 |
|                    | 59           | 688.802 |              | 5.994.346 |
|                    | 60           | 688.508 |              | 5.995.106 |
|                    | 61           | 691.674 |              | 5.989.063 |
|                    | 62           | 691.377 |              | 5.989.832 |
|                    | 63           | 691.079 |              | 5.990.602 |
|                    | 64           | 690.781 |              | 5.991.371 |
|                    | 65           | 690.484 |              | 5.992.140 |
|                    | 66           | 690.186 |              | 5.992.910 |
|                    | 67           | 689.888 |              | 5.993.679 |
|                    | 68           | 689.590 |              | 5.994.449 |
|                    | 69           | 689.293 |              | 5.995.218 |

|    |         |           |
|----|---------|-----------|
| 70 | 692.789 | 5.988.321 |
| 71 | 689.776 | 5.996.109 |
| 72 | 692.488 | 5.989.100 |
| 73 | 692.186 | 5.989.879 |
| 74 | 691.885 | 5.990.658 |
| 75 | 691.584 | 5.991.436 |
| 76 | 691.283 | 5.992.215 |
| 77 | 690.981 | 5.992.994 |
| 78 | 690.680 | 5.993.773 |
| 79 | 690.379 | 5.994.551 |
| 80 | 690.077 | 5.995.330 |

Vul hieronder het begin- en eindpunt en de knikpunten van de kabeltracés in  
 Vul ook de punten van eventuele alternatieve kabelroutes in

Coördinaten invullen op basis van UTM zone 31 ED50, eenheid meters en in meters nauwkeurig

Tekst in ROOD dient ter illustratie en dient ingevuld te worden

| Omschrijving                   | Knikpunt-aanduiding | x-coördinaat<br>Easting | y-coördinaat<br>Northing |
|--------------------------------|---------------------|-------------------------|--------------------------|
| Voorkeurstracé: Tracé zuid     |                     | 1 752.679               | 5.930.410                |
|                                |                     | 2 752.554               | 5.930.715                |
|                                |                     | 3 749.987               | 5.931.542                |
|                                |                     | 4 749.814               | 5.931.594                |
|                                |                     | 5 748.418               | 5.932.102                |
|                                |                     | 6 746.945               | 5.932.671                |
|                                |                     | 7 746.006               | 5.933.128                |
|                                |                     | 8 745.049               | 5.933.714                |
|                                |                     | 9 744.894               | 5.933.834                |
|                                |                     | 10 743.455              | 5.935.265                |
|                                |                     | 11 742.783              | 5.936.049                |
|                                |                     | 12 742.335              | 5.936.738                |
|                                |                     | 13 741.732              | 5.937.807                |
|                                |                     | 14 741.197              | 5.938.530                |
|                                |                     | 15 740.577              | 5.939.013                |
|                                |                     | 16 739.913              | 5.939.358                |
|                                |                     | 17 739.595              | 5.939.461                |
|                                |                     | 18 738.274              | 5.939.376                |
|                                |                     | 19 736.984              | 5.940.357                |
|                                |                     | 20 733.511              | 5.940.228                |
|                                |                     | 21 730.047              | 5.940.383                |
|                                |                     | 22 730.064              | 5.943.425                |
|                                |                     | 23 726.375              | 5.944.826                |
|                                |                     | 24 723.330              | 5.945.166                |
|                                |                     | 25 723.248              | 5.945.187                |
|                                |                     | 26 723.166              | 5.945.238                |
|                                |                     | 27 722.178              | 5.946.098                |
|                                |                     | 28 718.457              | 5.950.544                |
|                                |                     | 29 715.234              | 5.954.883                |
|                                |                     | 30 715.198              | 5.954.947                |
|                                |                     | 31 713.401              | 5.961.566                |
|                                |                     | 32 713.424              | 5.961.680                |
|                                |                     | 33 715.546              | 5.965.387                |
|                                |                     | 34 703.255              | 5.987.968                |
|                                |                     | 35 691.796              | 5.987.613                |
|                                |                     | 36 689.234              | 5.993.092                |
|                                |                     |                         |                          |
| Alternatief tracé: Tracé noord |                     | 1 752.679               | 5.930.410                |
|                                |                     | 2 752.554               | 5.930.715                |
|                                |                     | 3 749.987               | 5.931.542                |
|                                |                     | 4 749.814               | 5.931.594                |
|                                |                     | 5 748.418               | 5.932.102                |
|                                |                     | 6 746.945               | 5.932.671                |
|                                |                     | 7 746.006               | 5.933.128                |
|                                |                     | 8 745.268               | 5.933.691                |
|                                |                     | 9 744.986               | 5.933.913                |
|                                |                     | 10 744.242              | 5.934.463                |
|                                |                     | 11 745.842              | 5.935.954                |
|                                |                     | 12 745.249              | 5.936.340                |
|                                |                     | 13 744.374              | 5.937.168                |
|                                |                     | 14 744.012              | 5.938.024                |
|                                |                     | 15 743.424              | 5.938.645                |
|                                |                     | 16 742.177              | 5.939.708                |
|                                |                     | 17 741.547              | 5.940.268                |
|                                |                     | 18 740.728              | 5.940.819                |
|                                |                     | 19 739.491              | 5.941.534                |
|                                |                     | 20 738.183              | 5.942.310                |
|                                |                     | 21 737.016              | 5.942.983                |
|                                |                     | 22 736.127              | 5.943.171                |
|                                |                     | 23 733.836              | 5.943.481                |
|                                |                     | 24 732.359              | 5.943.420                |
|                                |                     | 25 730.195              | 5.943.378                |
|                                |                     | 26 726.375              | 5.944.826                |
|                                |                     | 27 723.330              | 5.945.166                |

|                                     |    |         |           |
|-------------------------------------|----|---------|-----------|
|                                     | 28 | 723.248 | 5.945.187 |
|                                     | 29 | 723.166 | 5.945.238 |
|                                     | 30 | 722.178 | 5.946.098 |
|                                     | 31 | 718.457 | 5.950.544 |
|                                     | 32 | 715.234 | 5.954.883 |
|                                     | 33 | 715.198 | 5.954.947 |
|                                     | 34 | 713.401 | 5.961.566 |
|                                     | 35 | 713.424 | 5.961.680 |
|                                     | 36 | 715.546 | 5.965.387 |
|                                     | 37 | 703.255 | 5.987.968 |
|                                     | 38 | 691.796 | 5.987.613 |
|                                     | 39 | 689.234 | 5.993.092 |
|                                     |    |         |           |
|                                     |    |         |           |
| Alternatief tracé: Tracé ongebundel | 1  | 689.221 | 5.993.061 |
|                                     | 2  | 691.738 | 5.987.627 |
|                                     | 3  | 701.888 | 5.987.947 |
|                                     | 4  | 714.225 | 5.964.615 |
|                                     | 5  | 710.678 | 5.956.239 |
|                                     | 6  | 714.816 | 5.953.973 |
|                                     | 7  | 716.984 | 5.944.908 |
|                                     | 8  | 728.118 | 5.942.543 |
|                                     | 9  | 729.497 | 5.941.065 |
|                                     | 10 | 730.286 | 5.940.474 |
|                                     | 11 | 737.183 | 5.940.474 |
|                                     | 12 | 738.168 | 5.939.587 |
|                                     | 13 | 740.336 | 5.939.686 |
|                                     | 14 | 741.913 | 5.938.109 |
|                                     | 15 | 743.292 | 5.935.449 |
|                                     | 16 | 745.558 | 5.933.478 |
|                                     | 17 | 749.401 | 5.931.803 |
|                                     | 18 | 751.963 | 5.931.114 |
|                                     | 19 | 752.653 | 5.930.719 |
|                                     | 20 | 752.751 | 5.930.424 |
|                                     |    |         |           |
|                                     |    |         |           |
| Alternatief tracé: Tracé Borkumse S | 1  | 689.221 | 5.993.061 |
|                                     | 2  | 691.778 | 5.987.627 |
|                                     | 3  | 702.048 | 5.987.987 |
|                                     | 4  | 702.401 | 5.937.124 |
|                                     | 5  | 705.849 | 5.919.487 |
|                                     | 6  | 733.143 | 5.921.260 |
|                                     | 7  | 752.061 | 5.929.734 |