

# MEMORANDUM

40-1822 - Sapphire Tabulated Results 20120913.docx

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Dear Adrian

## Sapphire Wind Farm Predicted Noise Levels Tabulated Results

### 1 Introduction

SLR Consulting Australia Pty Ltd (SLR Consulting) has completed a noise impact assessment report for the proposed Sapphire Wind Farm. The Department of Planning and Infrastructure (DOPI) has requested additional information regarding the predicted noise levels from the Vestas V90 and Seimens 2.3-101 layouts. This document shows a tabulated version of the graphs shown in Appendix A of the original report (Report No. 40-1822-R1).

### 2 Vestas V90 Results

**Table 1 Falkland**

| Wind Speed 10m<br>AGL             | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>              | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Falkland | 28   | 28   | 28   | 29   | 29   | 30   | 30   | 31   | 31   | 31   |
| SA EPA Criteria -<br>Falkland     | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 36   | 36   |
| NIGHT BG<br>Regression Line       | 25   | 26   | 26   | 27   | 27   | 28   | 28   | 29   | 29   | 29   |
| EPA Night Criteria                | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   |
| WHO Criteria                      | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 224 Osterley*                     | 24.7 | 30.0 | 34.9 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| 175 Falkland*                     | 20.0 | 25.3 | 30.2 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 185 Farley*                       | 17.0 | 22.3 | 27.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| 163 Fairy Meadow*                 | 16.8 | 22.1 | 27.0 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| 157 Greenfield                    | 15.1 | 20.4 | 25.3 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 |
| 215 Rutherglen                    | 14.9 | 20.2 | 25.1 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| 195 Pitlochry                     | 13.6 | 18.9 | 23.8 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |

**Table 2 Springfield**

| Wind Speed 10m<br>AGL                | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>                 | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Springfield | 27   | 28   | 29   | 29   | 30   | 30   | 31   | 31   | 31   | 31   |
| SA EPA Criteria -<br>Springfield     | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 36   | 36   | 36   |
| NIGHT BG<br>Regression Line          | 26   | 26   | 27   | 27   | 28   | 28   | 29   | 30   | 30   | 30   |
| EPA Night Criteria                   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   |
| WHO Criteria                         | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 247 962                              | 15.7 | 21.0 | 25.9 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 199 Springfield*                     | 13.2 | 18.5 | 23.4 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| 237 Blumkaitis                       | 12.9 | 18.2 | 23.1 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 250 Junee                            | 13.2 | 18.5 | 23.4 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| 249 Yardwell                         | 12.4 | 17.7 | 22.6 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 253 Highview                         | 12.2 | 17.5 | 22.4 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| 138 Hall                             | 12.2 | 17.5 | 22.4 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| 245 Willow View                      | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 248 Church                           | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 254 Tantangra                        | 11.9 | 17.2 | 22.1 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |
| 246 937                              | 11.6 | 16.9 | 21.8 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 247 962                              | 11.5 | 16.8 | 21.7 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| 252 DA Approved                      | 11.2 | 16.5 | 21.4 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 |
| 251 Blue Grove                       | 11.3 | 16.6 | 21.5 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 |
| 244 Arranmore                        | 10.7 | 16.0 | 20.9 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 |
| 134 Wangalee                         | 8.6  | 13.9 | 18.8 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 |
| 122                                  | 1.2  | 6.5  | 11.4 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 |

**Table 3 Ardleigh**

| Wind Speed 10m<br>AGL             | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>              | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Ardleigh | 28   | 27   | 27   | 28   | 30   | 31   | 33   | 36   | 38   | 41   |
| SA EPA Criteria -<br>Ardleigh     | 35   | 35   | 35   | 35   | 35   | 36   | 38   | 41   | 43   | 46   |
| NIGHT BG<br>Regression Line       | 26   | 24   | 24   | 24   | 26   | 28   | 30   | 33   | 37   | 40   |
| EPA Night Criteria                | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 38   | 42   | 45   |
| WHO Criteria                      | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 46   |
| 28 Leeweena*                      | 26.2 | 31.5 | 36.4 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 85 Yarrabin*                      | 22.0 | 27.3 | 32.2 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 97 Manaroo*                       | 21.6 | 26.9 | 31.8 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| 60 Woodburn*                      | 18.8 | 24.1 | 29.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |

|                            |      |      |      |      |      |      |      |      |      |      |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| 43 Ardleigh*               | 18.3 | 23.6 | 28.5 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| 104 Meadow Vale            | 17.5 | 22.8 | 27.7 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| 110 Pine Grove             | 17.2 | 22.5 | 27.4 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 |
| 105 Cubba*                 | 16.0 | 21.3 | 26.2 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 |
| 40 Nolimba                 | 15.5 | 20.8 | 25.7 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| 255 Mine                   | 13.1 | 18.4 | 23.3 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 229 Cottages*              | 9.9  | 15.2 | 20.1 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 90 Kings Plains<br>Castle* | 9.6  | 14.9 | 19.8 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| 66 Kaludabah               | 9.4  | 14.7 | 19.6 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 |
| 39 Canjurra                | 7.3  | 12.6 | 17.5 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 |

**Table 4 Downfield**

|                                    |      |      |      |      |      |      |      |      |      |      |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m<br>AGL              | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>               | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Downfield | 39   | 38   | 38   | 38   | 39   | 40   | 41   | 42   | 43   | 43   |
| SA EPA Criteria -<br>Downfield     | 44   | 43   | 43   | 43   | 44   | 45   | 46   | 47   | 48   | 48   |
| NIGHT BG<br>Regression Line        | 39   | 39   | 39   | 39   | 40   | 41   | 42   | 43   | 44   | 44   |
| EPA Night Criteria                 | 44   | 44   | 44   | 44   | 45   | 46   | 47   | 48   | 49   | 49   |
| WHO Criteria                       | 45   | 45   | 45   | 45   | 45   | 45   | 46   | 47   | 48   | 48   |
| 234 House #2                       | 21.3 | 26.6 | 31.5 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 |
| 194 Down Field*                    | 21.3 | 26.6 | 31.5 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 |
| 145 Karoola                        | 20.9 | 26.2 | 31.1 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| 139 Fruin Glen*                    | 19.1 | 24.4 | 29.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 137 Tarana                         | 15.4 | 20.7 | 25.6 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 219 Maids Valley*                  | 13.8 | 19.1 | 24.0 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 |
| 220 Quabadee                       | 5.6  | 10.9 | 15.8 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |
| 115 Evergreen*                     | 13.5 | 18.8 | 23.7 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| 118 Fassifern                      | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 170 Taurauga*                      | 20.7 | 26.0 | 30.9 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| 236 Church                         | 7.5  | 12.8 | 17.7 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 |
| 235 Waterloo<br>Cottage            | 3.5  | 8.8  | 13.7 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 179 Waterloo                       | 3.4  | 8.7  | 13.6 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |

**Table 5 Kingshill**

|                                    |     |      |      |      |    |      |      |      |      |      |
|------------------------------------|-----|------|------|------|----|------|------|------|------|------|
| Wind Speed 10m<br>AGL              | 3   | 4    | 5    | 6    | 7  | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>               | 4.3 | 5.74 | 7.17 | 8.61 | 10 | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Kingshill | 37  | 38   | 39   | 39   | 40 | 40   | 41   | 42   | 43   | 44   |
| SA EPA Criteria -                  | 42  | 43   | 44   | 44   | 45 | 45   | 46   | 47   | 48   | 49   |

|                          |      |      |      |      |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|------|------|------|------|
| Kingshill                |      |      |      |      |      |      |      |      |      |      |
| NIGHT BG Regression Line | 40   | 40   | 40   | 40   | 40   | 41   | 41   | 42   | 43   | 45   |
| EPA Night Criteria       | 45   | 45   | 45   | 45   | 45   | 46   | 46   | 47   | 48   | 50   |
| WHO Criteria             | 45   | 45   | 45   | 45   | 45   | 45   | 46   | 47   | 48   | 49   |
| 11 Kingshill*            | 25.5 | 30.8 | 35.7 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| 16 Narren Vale*          | 25.0 | 30.3 | 35.2 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| 109 Strathdarr           | 21.2 | 26.5 | 31.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 38 Yarrandoo*            | 20.7 | 26.0 | 30.9 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| 111 Kia-Tami*            | 19.4 | 24.7 | 29.6 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| 8 Woodstock*             | 19.2 | 24.5 | 29.4 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| 30 Highlands*            | 18.2 | 23.5 | 28.4 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 |

**Table 6 Carinya**

|                               |      |      |      |      |      |      |      |      |      |      |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m AGL            | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| Wind Speed HH                 | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression Line - Carinya | 25   | 26   | 27   | 28   | 29   | 29   | 30   | 31   | 33   | 34   |
| "SA EPA Criteria - Carinya"   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 38   | 39   |
| NIGHT BG Regression Line      | 23   | 23   | 24   | 24   | 25   | 26   | 27   | 29   | 31   | 33   |
| EPA Night Criteria            | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 38   |
| WHO Criteria                  | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 91 Derra Downs*               | 24.6 | 29.9 | 34.8 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 |
| 54 Carinya*                   | 20.0 | 25.3 | 30.2 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 26 Coleraine                  | 18.1 | 23.4 | 28.3 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 |
| 34 Croye                      | 13.7 | 19.0 | 23.9 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| 24 Millie                     | 12.9 | 18.2 | 23.1 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 0 Woodlands                   | 5.2  | 10.5 | 15.4 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |

**Table 7 Tralee**

|                              |      |      |      |      |      |      |      |      |      |      |
|------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m AGL           | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| Wind Speed HH                | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression Line - Tralee | 27   | 28   | 29   | 30   | 30   | 30   | 31   | 31   | 32   | 33   |
| SA EPA Criteria - Tralee     | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 36   | 37   | 38   |
| NIGHT BG Regression Line     | 24   | 24   | 25   | 25   | 25   | 26   | 26   | 27   | 28   | 30   |
| EPA Night Criteria           | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   |
| WHO Criteria                 | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 71 Tralee*                   | 25.2 | 30.5 | 35.4 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 63 Spring Creek              | 22.2 | 27.5 | 32.4 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 |
| 240 Krystal Blue             | 20.1 | 25.4 | 30.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |

|                   |      |      |      |      |      |      |      |      |      |      |
|-------------------|------|------|------|------|------|------|------|------|------|------|
| 239 Frasers Creek | 19.1 | 24.4 | 29.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 261 Wirra Willa   | 18.1 | 23.4 | 28.3 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 |
| 84 Argyle         | 17.5 | 22.8 | 27.7 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| 1 Rock Leigh      | 15.9 | 21.2 | 26.1 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 238 Tomali Park   | 15.7 | 21.0 | 25.9 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 87 The Knoll      | 15.3 | 20.6 | 25.5 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 |
| 65 Roseana        | 13.9 | 19.2 | 24.1 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| 29 Swamp Oak      | 13.6 | 18.9 | 23.8 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| 53 Lochbore       | 13.0 | 18.3 | 23.2 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 19 Wongajong      | 11.8 | 17.1 | 22.0 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| 258 Lambert       | 6.9  | 12.2 | 17.1 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 |
| 106 Glen Valley   | 5.1  | 10.4 | 15.3 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |

**Table 8 Yarrawah Park**

|                                       |      |      |      |      |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m<br>AGL                 | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>                  | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Yarrawa Park | 29   | 29   | 29   | 30   | 30   | 30   | 31   | 32   | 32   | 34   |
| SA EPA Criteria -<br>Yarrawa Park     | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 37   | 37   | 39   |
| NIGHT BG<br>Regression Line           | 25   | 25   | 26   | 26   | 26   | 27   | 27   | 28   | 29   | 31   |
| EPA Night Criteria                    | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   |
| WHO Criteria                          | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 96 Bon Vista                          | 18.7 | 24.0 | 28.9 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| 227 Yarrawa Park*                     | 16.6 | 21.9 | 26.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 226 Coorimbla Park                    | 15.6 | 20.9 | 25.8 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 45 Golden Grove                       | 15.2 | 20.5 | 25.4 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 |
| 21 Inverness*                         | 14.8 | 20.1 | 25.0 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 231 Swan Peak                         | 14.2 | 19.5 | 24.4 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |
| 27 Bellview*                          | 13.1 | 18.4 | 23.3 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 55 Tara                               | 10.9 | 16.2 | 21.1 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |

**Table 9 Mindora**

|                                  |     |      |      |      |    |      |      |      |      |      |
|----------------------------------|-----|------|------|------|----|------|------|------|------|------|
| Wind Speed 10m<br>AGL            | 3   | 4    | 5    | 6    | 7  | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>             | 4.3 | 5.74 | 7.17 | 8.61 | 10 | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Mindora | 27  | 29   | 30   | 31   | 31 | 32   | 32   | 33   | 34   | 36   |
| SA EPA Criteria -<br>Mindora     | 35  | 35   | 35   | 36   | 36 | 37   | 37   | 38   | 39   | 41   |
| NIGHT BG<br>Regression Line      | 23  | 24   | 25   | 25   | 26 | 27   | 28   | 29   | 31   | 34   |
| EPA Night Criteria               | 35  | 35   | 35   | 35   | 35 | 35   | 35   | 35   | 36   | 39   |
| WHO Criteria                     | 45  | 45   | 45   | 45   | 45 | 45   | 45   | 45   | 45   | 45   |

|               |      |      |      |      |      |      |      |      |      |      |
|---------------|------|------|------|------|------|------|------|------|------|------|
| 59 Mubbarra*  | 26.6 | 31.9 | 36.8 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 259 Akoomie*  | 18.0 | 23.3 | 28.2 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| 74 Hillview   | 17.9 | 23.2 | 28.1 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| 242 Glen Idle | 16.6 | 21.9 | 26.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 2 Royal Oaks  | 16.3 | 21.6 | 26.5 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 230 Ashgrove  | 16.2 | 21.5 | 26.4 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 |
| 241 Pieta     | 14.7 | 20.0 | 24.9 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 |
| 70 Warrawee   | 15.4 | 20.7 | 25.6 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 23 Mindora    | 14.5 | 19.8 | 24.7 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |

**Table 10 Mt Buckley**

|                                     |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m<br>AGL               | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>                | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Mt Buckley | 27   | 26   | 27   | 28   | 29   | 31   | 34   | 36   | 38   | 41   |
| "SA EPA Criteria -<br>Mt Buckley"   | 35   | 35   | 35   | 35   | 35   | 36   | 39   | 41   | 43   | 46   |
| NIGHT BG<br>Regression Line         | 26   | 25   | 25   | 25   | 27   | 29   | 32   | 35   | 38   | 41   |
| EPA Night Criteria                  | 35   | 35   | 35   | 35   | 35   | 35   | 37   | 40   | 43   | 46   |
| 153 Mt Buckley                      | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 46   |
| 208 Adavale                         | 19.4 | 24.7 | 29.6 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
|                                     | 11.8 | 17.1 | 22.0 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |

**Table 11 Warrandah**

|                                    |      |      |      |      |      |      |      |      |      |      |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m<br>AGL              | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>               | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Warrandah | 28   | 27   | 26   | 27   | 29   | 31   | 33   | 35   | 38   | 40   |
| SA EPA Criteria -<br>Warrandah     | 35   | 35   | 35   | 35   | 35   | 36   | 38   | 40   | 43   | 45   |
| NIGHT BG<br>Regression Line        | 28   | 26   | 24   | 24   | 26   | 28   | 30   | 33   | 36   | 39   |
| EPA Night Criteria                 | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 38   | 41   | 44   |
| WHO Criteria                       | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 257 311                            | 23.0 | 28.3 | 33.2 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 |
| 37 Lochlea*                        | 22.6 | 27.9 | 32.8 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| 32 Warrandah*                      | 21.5 | 26.8 | 31.7 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| 256 Mine*                          | 18.8 | 24.1 | 29.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| 96 Bon Vista                       | 18.7 | 24.0 | 28.9 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| 227 Yarrowa Park*                  | 16.6 | 21.9 | 26.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 226 Coorimbla Park                 | 15.6 | 20.9 | 25.8 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 45 Golden Grove                    | 15.2 | 20.5 | 25.4 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 |
| 21 Inverness*                      | 14.8 | 20.1 | 25.0 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 231 Swan Peak                      | 14.2 | 19.5 | 24.4 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |

|                    |      |      |      |      |      |      |      |      |      |      |
|--------------------|------|------|------|------|------|------|------|------|------|------|
| 27 Bellview*       | 13.1 | 18.4 | 23.3 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 233 Weean Cottage* | 12.3 | 17.6 | 22.5 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 |
| 93 Weean*          | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 89 Glenidle        | 11.3 | 16.6 | 21.5 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 |
| 55 Tara            | 10.9 | 16.2 | 21.1 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| 112 Windemere*     | 10.8 | 16.1 | 21.0 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 |

### 3 Seimens 2.3-101

**Table 12 Falkland**

|                                |      |      |      |      |      |      |      |      |      |      |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m AGL             | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>           | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression Line - Falkland | 28   | 28   | 28   | 29   | 29   | 30   | 30   | 31   | 31   | 31   |
| SA EPA Criteria - Falkland     | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 36   | 36   |
| NIGHT BG Regression Line       | 25   | 26   | 26   | 27   | 27   | 28   | 28   | 29   | 29   | 29   |
| EPA Night Criteria             | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   |
| WHO Criteria                   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 224 Osterley*                  | 24.7 | 30.0 | 34.9 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| 175 Falkland*                  | 20.0 | 25.3 | 30.2 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 185 Farley*                    | 17.0 | 22.3 | 27.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| 163 Fairy Meadow*              | 16.8 | 22.1 | 27.0 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| 157 Greenfield                 | 15.1 | 20.4 | 25.3 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 | 28.7 |
| 215 Rutherglen                 | 14.9 | 20.2 | 25.1 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| 195 Pitlochry                  | 13.6 | 18.9 | 23.8 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |

**Table 13 Springfield**

|                                   |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m AGL                | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>              | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression Line - Springfield | 27   | 28   | 29   | 29   | 30   | 30   | 31   | 31   | 31   | 31   |
| SA EPA Criteria - Springfield     | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 36   | 36   | 36   |
| NIGHT BG Regression Line          | 26   | 26   | 27   | 27   | 28   | 28   | 29   | 30   | 30   | 30   |
| EPA Night Criteria                | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   |
| WHO Criteria                      | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 247 962                           | 15.7 | 21.0 | 25.9 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 199 Springfield*                  | 13.2 | 18.5 | 23.4 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |
| 237 Blumkaitis                    | 12.9 | 18.2 | 23.1 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 250 June                          | 13.2 | 18.5 | 23.4 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 |

|                 |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|
| 249 Yardwell    | 12.4 | 17.7 | 22.6 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 253 Highview    | 12.2 | 17.5 | 22.4 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| 138 Hall        | 12.2 | 17.5 | 22.4 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| 245 Willow View | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 248 Church      | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 254 Tantangra   | 11.9 | 17.2 | 22.1 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |
| 246 937         | 11.6 | 16.9 | 21.8 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 247 962         | 11.5 | 16.8 | 21.7 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| 252 DA Approved | 11.2 | 16.5 | 21.4 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 | 24.8 |
| 251 Blue Grove  | 11.3 | 16.6 | 21.5 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 |
| 244 Arranmore   | 10.7 | 16.0 | 20.9 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 | 24.3 |
| 134 Wangalee    | 8.6  | 13.9 | 18.8 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 |
| 122             | 1.2  | 6.5  | 11.4 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 |

**Table 14 Ardleigh**

|                                   |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| Wind Speed 10m<br>AGL             | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
| <i>Wind Speed HH</i>              | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Ardleigh | 28   | 27   | 27   | 28   | 30   | 31   | 33   | 36   | 38   | 41   |
| SA EPA Criteria -<br>Ardleigh     | 35   | 35   | 35   | 35   | 35   | 36   | 38   | 41   | 43   | 46   |
| NIGHT BG<br>Regression Line       | 26   | 24   | 24   | 24   | 26   | 28   | 30   | 33   | 37   | 40   |
| EPA Night Criteria                | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 38   | 42   | 45   |
| WHO Criteria                      | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 46   |
| 28 Leeweena*                      | 26.2 | 31.5 | 36.4 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 85 Yarrabin*                      | 22.0 | 27.3 | 32.2 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 97 Manaroo*                       | 21.6 | 26.9 | 31.8 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| 60 Woodburn*                      | 18.8 | 24.1 | 29.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| 43 Ardleigh*                      | 18.3 | 23.6 | 28.5 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| 104 Meadow Vale                   | 17.5 | 22.8 | 27.7 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| 110 Pine Grove                    | 17.2 | 22.5 | 27.4 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 |
| 105 Cubba*                        | 16.0 | 21.3 | 26.2 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 |
| 40 Nolimba                        | 15.5 | 20.8 | 25.7 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| 255 Mine                          | 13.1 | 18.4 | 23.3 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 229 Cottages*                     | 9.9  | 15.2 | 20.1 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 90 Kings Plains<br>Castle*        | 9.6  | 14.9 | 19.8 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| 66 Kaludabah                      | 9.4  | 14.7 | 19.6 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 | 23.0 |
| 39 Canjurra                       | 7.3  | 12.6 | 17.5 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 |

**Table 15 Downfield**

|                       |   |   |   |   |   |   |   |    |    |    |
|-----------------------|---|---|---|---|---|---|---|----|----|----|
| Wind Speed 10m<br>AGL | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------------------|---|---|---|---|---|---|---|----|----|----|

| <i>Wind Speed HH</i>            | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|
| B/G Regression Line - Downfield | 39   | 38   | 38   | 38   | 39   | 40   | 41   | 42   | 43   | 43   |
| SA EPA Criteria - Downfield     | 44   | 43   | 43   | 43   | 44   | 45   | 46   | 47   | 48   | 48   |
| NIGHT BG Regression Line        | 39   | 39   | 39   | 39   | 40   | 41   | 42   | 43   | 44   | 44   |
| EPA Night Criteria              | 44   | 44   | 44   | 44   | 45   | 46   | 47   | 48   | 49   | 49   |
| WHO Criteria                    | 45   | 45   | 45   | 45   | 45   | 45   | 46   | 47   | 48   | 48   |
| 234 House #2                    | 21.3 | 26.6 | 31.5 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 |
| 194 Down Field*                 | 21.3 | 26.6 | 31.5 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 |
| 145 Karoola                     | 20.9 | 26.2 | 31.1 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| 139 Fruin Glen*                 | 19.1 | 24.4 | 29.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 137 Tarana                      | 15.4 | 20.7 | 25.6 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 219 Maids Valley*               | 13.8 | 19.1 | 24.0 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 |
| 220 Quabadee                    | 5.6  | 10.9 | 15.8 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |
| 115 Evergreen*                  | 13.5 | 18.8 | 23.7 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| 118 Fassifern                   | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 170 Taurauga*                   | 20.7 | 26.0 | 30.9 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| 236 Church                      | 7.5  | 12.8 | 17.7 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 |
| 235 Waterloo Cottage            | 3.5  | 8.8  | 13.7 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 179 Waterloo                    | 3.4  | 8.7  | 13.6 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |

**Table 16 Kingshill**

| Wind Speed 10m AGL              | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>            | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression Line - Kingshill | 37   | 38   | 39   | 39   | 40   | 40   | 41   | 42   | 43   | 44   |
| SA EPA Criteria - Kingshill     | 42   | 43   | 44   | 44   | 45   | 45   | 46   | 47   | 48   | 49   |
| NIGHT BG Regression Line        | 40   | 40   | 40   | 40   | 40   | 41   | 41   | 42   | 43   | 45   |
| EPA Night Criteria              | 45   | 45   | 45   | 45   | 45   | 46   | 46   | 47   | 48   | 50   |
| WHO Criteria                    | 45   | 45   | 45   | 45   | 45   | 45   | 46   | 47   | 48   | 49   |
| 11 Kingshill*                   | 25.5 | 30.8 | 35.7 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| 16 Narren Vale*                 | 25.0 | 30.3 | 35.2 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| 109 Strathdarr                  | 21.2 | 26.5 | 31.4 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 38 Yarrandoo*                   | 20.7 | 26.0 | 30.9 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| 111 Kia-Tami*                   | 19.4 | 24.7 | 29.6 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| 8 Woodstock*                    | 19.2 | 24.5 | 29.4 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| 30 Highlands*                   | 18.2 | 23.5 | 28.4 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 |

**Table 17 Carinya**

| Wind Speed 10m<br>AGL            | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>             | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Carinya | 25   | 26   | 27   | 28   | 29   | 29   | 30   | 31   | 33   | 34   |
| "SA EPA Criteria -<br>Carinya"   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 38   | 39   |
| NIGHT BG<br>Regression Line      | 23   | 23   | 24   | 24   | 25   | 26   | 27   | 29   | 31   | 33   |
| EPA Night Criteria               | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 38   |
| EPA Night Criteria               | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 91 Derra Downs*                  | 24.6 | 29.9 | 34.8 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 |
| 54 Carinya*                      | 20.0 | 25.3 | 30.2 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 | 33.6 |
| 26 Coleraine                     | 18.1 | 23.4 | 28.3 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 |
| 34 Croye                         | 13.7 | 19.0 | 23.9 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 |
| 24 Millie                        | 12.9 | 18.2 | 23.1 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 0 Woodlands                      | 5.2  | 10.5 | 15.4 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |

**Table 18 Tralee**

| Wind Speed 10m<br>AGL           | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>            | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Tralee | 27   | 28   | 29   | 30   | 30   | 30   | 31   | 31   | 32   | 33   |
| SA EPA Criteria -<br>Tralee     | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 36   | 37   | 38   |
| NIGHT BG<br>Regression Line     | 24   | 24   | 25   | 25   | 25   | 26   | 26   | 27   | 28   | 30   |
| EPA Night Criteria              | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   |
| WHO Criteria                    | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 71 Tralee*                      | 25.2 | 30.5 | 35.4 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 63 Spring Creek                 | 22.2 | 27.5 | 32.4 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 |
| 240 Krystal Blue                | 20.1 | 25.4 | 30.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| 239 Frasers Creek               | 19.1 | 24.4 | 29.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| 261 Wirra Willa                 | 18.1 | 23.4 | 28.3 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 |
| 84 Argyle                       | 17.5 | 22.8 | 27.7 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| 1 Rock Leigh                    | 15.9 | 21.2 | 26.1 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 238 Tomali Park                 | 15.7 | 21.0 | 25.9 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 87 The Knoll                    | 15.3 | 20.6 | 25.5 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 |
| 65 Roseana                      | 13.9 | 19.2 | 24.1 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 |
| 29 Swamp Oak                    | 13.6 | 18.9 | 23.8 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| 53 Lochbore                     | 13.0 | 18.3 | 23.2 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 |
| 19 Wongajong                    | 11.8 | 17.1 | 22.0 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| 258 Lambert                     | 6.9  | 12.2 | 17.1 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 |
| 106 Glen Valley                 | 5.1  | 10.4 | 15.3 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 |

**Table 19 Yarrawah Park**

| Wind Speed 10m<br>AGL                  | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|----------------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>                   | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Yarrawah Park | 29   | 29   | 29   | 30   | 30   | 30   | 31   | 32   | 32   | 34   |
| SA EPA Criteria -<br>Yarrawah Park     | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 37   | 37   | 39   |
| NIGHT BG<br>Regression Line            | 25   | 25   | 26   | 26   | 26   | 27   | 27   | 28   | 29   | 31   |
| EPA Night Criteria                     | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   |
| WHO Criteria                           | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 96 Bon Vista                           | 18.7 | 24.0 | 28.9 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| 227 Yarrawah Park*                     | 16.6 | 21.9 | 26.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 226 Coorimbla Park                     | 15.6 | 20.9 | 25.8 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 45 Golden Grove                        | 15.2 | 20.5 | 25.4 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 |
| 21 Inverness*                          | 14.8 | 20.1 | 25.0 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 231 Swan Peak                          | 14.2 | 19.5 | 24.4 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |
| 27 Bellview*                           | 13.1 | 18.4 | 23.3 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 55 Tara                                | 10.9 | 16.2 | 21.1 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |

**Table 20 Mindora**

| Wind Speed 10m<br>AGL            | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>             | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Mindora | 27   | 29   | 30   | 31   | 31   | 32   | 32   | 33   | 34   | 36   |
| SA EPA Criteria -<br>Mindora     | 35   | 35   | 35   | 36   | 36   | 37   | 37   | 38   | 39   | 41   |
| NIGHT BG<br>Regression Line      | 23   | 24   | 25   | 25   | 26   | 27   | 28   | 29   | 31   | 34   |
| EPA Night Criteria               | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 36   | 39   |
| WHO Criteria                     | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 59 Mubbarra*                     | 26.6 | 31.9 | 36.8 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| 259 Akoomie*                     | 18.0 | 23.3 | 28.2 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| 74 Hillview                      | 17.9 | 23.2 | 28.1 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| 242 Glen Idle                    | 16.6 | 21.9 | 26.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 2 Royal Oaks                     | 16.3 | 21.6 | 26.5 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 230 Ashgrove                     | 16.2 | 21.5 | 26.4 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 |
| 241 Pieta                        | 14.7 | 20.0 | 24.9 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 |
| 70 Warrawee                      | 15.4 | 20.7 | 25.6 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 23 Mindora                       | 14.5 | 19.8 | 24.7 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |

**Table 21 Mt Buckley**

| Wind Speed 10m<br>AGL               | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>                | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Mt Buckley | 27   | 26   | 27   | 28   | 29   | 31   | 34   | 36   | 38   | 41   |
| "SA EPA Criteria -<br>Mt Buckley"   | 35   | 35   | 35   | 35   | 35   | 36   | 39   | 41   | 43   | 46   |
| NIGHT BG<br>Regression Line         | 26   | 25   | 25   | 25   | 27   | 29   | 32   | 35   | 38   | 41   |
| EPA Night Criteria                  | 35   | 35   | 35   | 35   | 35   | 35   | 37   | 40   | 43   | 46   |
| 153 Mt Buckley                      | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 46   |
| 208 Adavale                         | 19.4 | 24.7 | 29.6 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
|                                     | 11.8 | 17.1 | 22.0 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |

**Table 22 Warrandah**

| Wind Speed 10m<br>AGL              | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|
| <i>Wind Speed HH</i>               | 4.3  | 5.74 | 7.17 | 8.61 | 10   | 11.5 | 12.9 | 14.3 | 15.8 | 17.2 |
| B/G Regression<br>Line - Warrandah | 28   | 27   | 26   | 27   | 29   | 31   | 33   | 35   | 38   | 40   |
| SA EPA Criteria -<br>Warrandah     | 35   | 35   | 35   | 35   | 35   | 36   | 38   | 40   | 43   | 45   |
| NIGHT BG<br>Regression Line        | 28   | 26   | 24   | 24   | 26   | 28   | 30   | 33   | 36   | 39   |
| EPA Night Criteria                 | 35   | 35   | 35   | 35   | 35   | 35   | 35   | 38   | 41   | 44   |
| WHO Criteria                       | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   | 45   |
| 257 311                            | 23.0 | 28.3 | 33.2 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 | 36.6 |
| 37 Lochlea*                        | 22.6 | 27.9 | 32.8 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| 32 Warrandah*                      | 21.5 | 26.8 | 31.7 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| 256 Mine*                          | 18.8 | 24.1 | 29.0 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| 96 Bon Vista                       | 18.7 | 24.0 | 28.9 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| 227 Yarrowa Park*                  | 16.6 | 21.9 | 26.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| 226 Coorimbla Park                 | 15.6 | 20.9 | 25.8 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 45 Golden Grove                    | 15.2 | 20.5 | 25.4 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 |
| 21 Inverness*                      | 14.8 | 20.1 | 25.0 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 231 Swan Peak                      | 14.2 | 19.5 | 24.4 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |
| 27 Bellview*                       | 13.1 | 18.4 | 23.3 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 |
| 233 Weean<br>Cottage*              | 12.3 | 17.6 | 22.5 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 |
| 93 Weean*                          | 12.1 | 17.4 | 22.3 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 89 Glenidle                        | 11.3 | 16.6 | 21.5 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 |
| 55 Tara                            | 10.9 | 16.2 | 21.1 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| 112 Windemere*                     | 10.8 | 16.1 | 21.0 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 |

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Philip Setton', with a stylized, flowing script.

Philip Setton  
Project Consultant