

**Outcome: All people in Newry, Mourne and Down benefit from a clean, quality and sustainable environment**

### **Indicator: Level of Sustainable Energy**

Sustainable, or renewable, energy sources do not run out and self plenish over time. These sources are considered more cost effective and more compatible with the environment, as they cause less pollution to produce. Examples include wind, ocean waves and the sun.

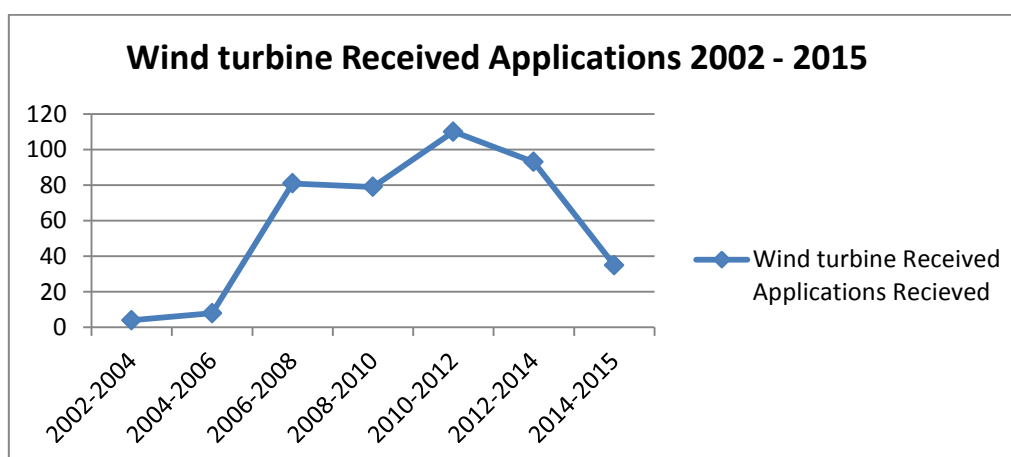
**Measures:** Wind Turbine & Solar Panel Applications  
Building Control Renewable Energy Applications

### **Wind Turbine Applications – Planning Data**

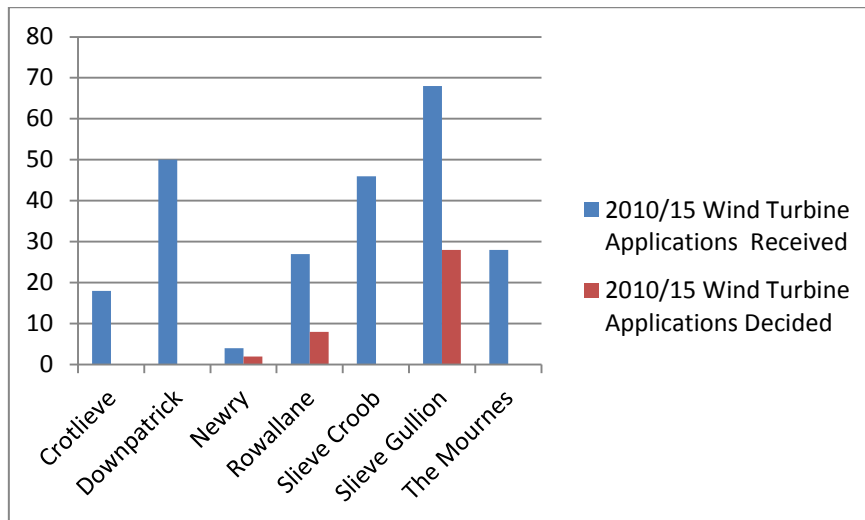
The table below shows historical data on wind turbine applications received between 2002 and 2015 in the Newry and Mourne and Down District Council areas.

Year	Wind turbine Received Applications
2002-2004	4
2004-2006	8
2006-2008	81
2008-2010	79
2010-2012	110
2012-2014	93
2014-2015	35

From the table above and graph below we can see that the highest number of applications for wind turbines was received in 2010.



The data collected was broken down into DEA's and the chart below shows the number of applications received compared with the number of applications decided.



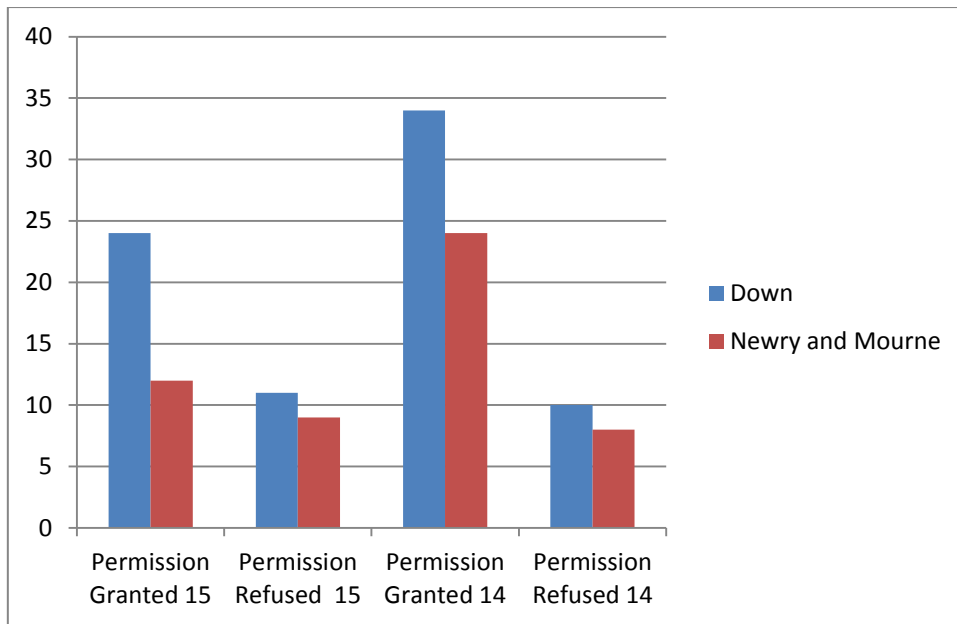
2014 / 2015	Wind Turbine Applications		
Districts	Permission Granted	Permission Refused	Grand Total
Down	24	11	35
Newry and Mourne	12	9	21
Grand Total	36	20	56

2013 / 2014	Wind Turbine Applications		
Count of Location	decision_pending		
Districts	Permission Granted	Permission Refused	Grand Total
Down	34	10	44
Newry and Mourne	24	8	32
Grand Total	58	18	76

The tables show that in 2013/14 there were a total of 76 applications received for wind turbines with 58 being granted and 18 applications being refused.

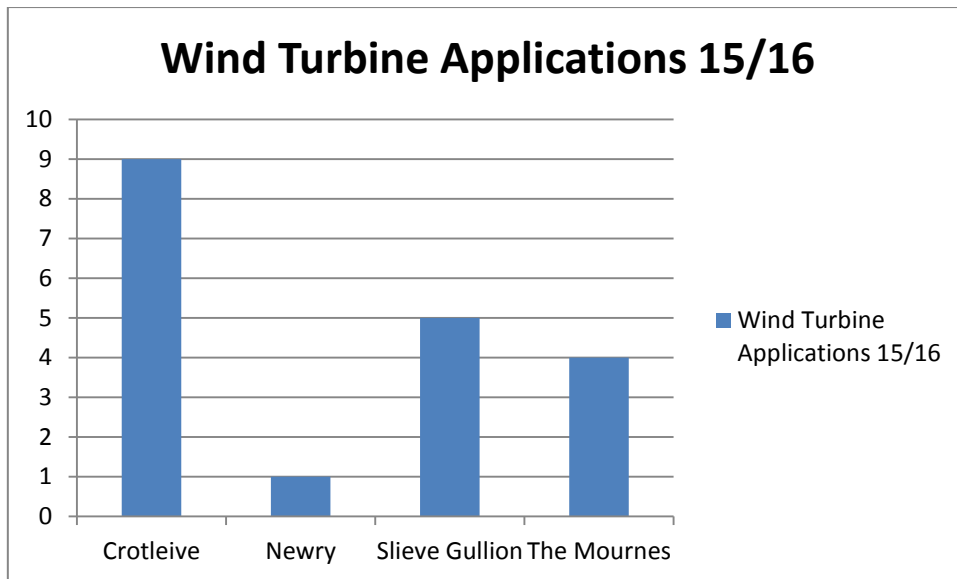
In 2014/15 the applications for wind turbines decreased to a total of 56 applications with 36 of these applications being granted and 20 being refused.

The chart below shows the fall in number of applications for wind turbines from 2013/14 to 2014/15



Below is a table of wind turbine applications for 2015 /16, broken down by DEA that have been received by Newry Mourne and Down District Council.

DEA AREA	Applications
<b>Crotleive</b>	<b>9</b>
<b>Slieve Gullion</b>	<b>5</b>
<b>The Mournes</b>	<b>4</b>
<b>Newry</b>	<b>1</b>
<b>Slieve Croob</b>	<b>0</b>
<b>Rowallane</b>	<b>0</b>
<b>Downpatrick</b>	<b>0</b>
<b>TOTALS</b>	<b>19</b>

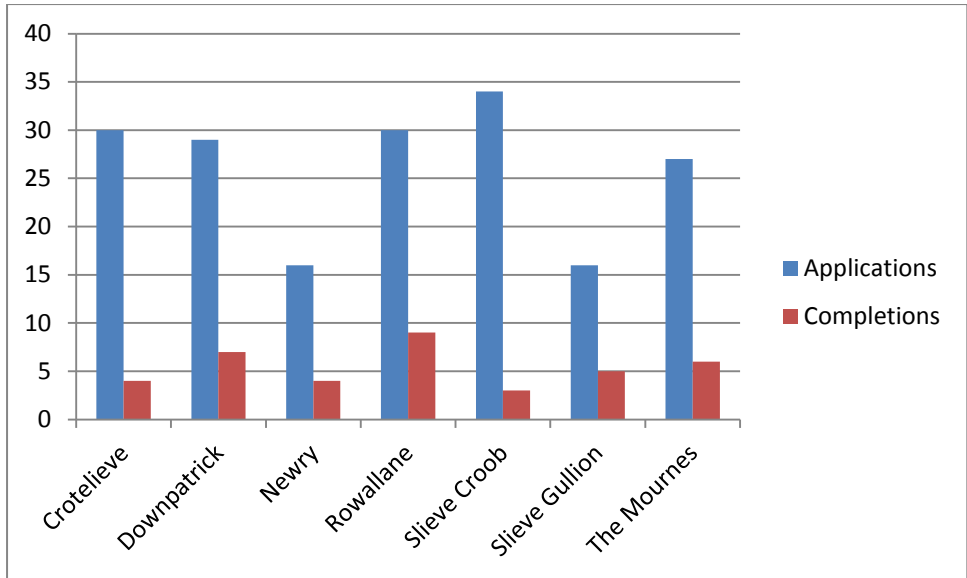


From the table above we can see that Crotlieve had the largest number of planning applications for wind turbines of all the DEA areas in the Newry Mourne and Down District area and there were no applications received for the Downpatrick, Rowallane and Slieve Croob DEA areas.

### Renewable Energy Applications – Building Control Data

The table below shows applications received for renewable energy in the Newry Mourne and Down District council area for Solar panels from 2015-2016.

DEA	Applications	Completions	Completion %
<b>Crotlieve</b>	30	4	13.33
<b>Downpatrick</b>	29	7	24.14
<b>Newry</b>	16	4	25.00
<b>Rowallane</b>	30	9	30.00
<b>Slieve Croob</b>	34	3	8.82
<b>Slieve Gullion</b>	16	5	31.25
<b>The Mournes</b>	27	6	22.22
<b>TOTALS</b>	<b>182</b>	<b>38</b>	<b>20.88</b>



The table and graph above shows the number of applications for solar panel installations that have come through building control in 2015/16 by DEA. We can see that Slieve Croob had the highest number of applications for solar panels across the DEA's, however, it also had the lowest completion rate.

Rowallane DEA had the joint 2<sup>nd</sup> highest number of applications with Crotlieve, but Rowallane had the highest completion rate of all DEA's with a 30% completion rate on solar panel applications.