Table columns	Details	Data Type	Owner of data provided to AEMO	Public/ Confidential	Comments
STANDING DATA REPOSITORY	*Although AEMO gets most of the data from Participants, some of this data is also available publically through AEMO website. All such data is marked as 'Public' in this list. Data marked as 'Confidential' means the data that can be made available on Wind Farm's approval to Researchers upon signing the sub-licence agreement.				Researcher access is only available to historical data, and no real-time data is provided.
General characteristics of a Wind Farm					
'WF_Name'	The Name of the Wind Farm.	Standing	Participant	Public	Available via AEMO website, and other public sources
'WF_Shortname'	The short name of the Wind Farm. This is used to give a correlation between this table of the SDR and the tables related to a Wind Farm in the TSDR. Generally is same as the AEMO DUID.	Standing	Participant	Public	Available via AEMO website
'WF_Region'	The Region where the Wind Farm is installed.	Standing	Participant	Public	Available via AEMO website
'WF_UTMLocation'	The Geographical Location of the Wind Farm in UTM.	Standing	Participant	Public	Available via DEWHA website: http://www.environment.gov.au/settlements/renewable/atlas/index.html
'WF_NominalPower'	The total installed capacity of the Wind Farm (MW).	Standing	Participant	Public	Available via AEMO website
'WF_MaxPower'	The total maximum power of the Wind Farm (MW).	Standing	Participant	Public	Available via AEMO website
'WF_AirDensity'	The typical air density at the level of this Wind Farm (Kg/m3).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WF_Roughness'	The typical roughness coefficient of the site where the Wind Farm is installed (m).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WFC_Number'	The Number of the Clusters considered in the Wind Farm. As a cluster is considered a group of idnetical wind turbines in a reasonable geographic area and can be considered as an equivalent turbine in the forecasting computation.	Standing	AEMO/ Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WF_Orography'	The orography information of the Wind Farm. Representative altitude a.s.l. of the wind farm site (m).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
General characteristics of a Wind Turbine Cluster					
'WTC_Number'	The Number of the Wind Turbines in the Cluster.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
General characteristics of a Wind Turbine					
'WT_Name'	The Name of the Wind Turbine.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WT_XGeo'	X-Geographical Coordinates of the Wind Turbine.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WT_YGeo'	Y-Geographical Coordinates of the Wind Turbine.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Technical characteristics of the Type of a Wind Turbine					
'WTT_Name'	The Name of that type of turbine.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_NominalPower'	The nominal power of that type of turbine (kW).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_MaxPower'	The maximal power a turbine of that type can produce (kW).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_SpeedCutIn'	The cut-in speed of that type of turbine (m/sec).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_SpeedCutOut'	The cut-out speed of that type of turbine (m/sec).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_TempCutIn'	Negative temperature where the wind turbine enters back in operation (°C).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_TempCutOut'	Negative temperature where the wind turbine is stopped for protection (°C).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_SpeedRated'	The rated speed (m/sec) of that type of turbine.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_HubHeight'	The height of the hub of that type of turbine (m).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_RotorDiameter'	The rotor diameter of that type of turbine (m).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
'WTT_PowerRegulationMethod'	The power regulation method of that type of turbine.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Power Curve of a Wind Turbine Type					
[WT_WINDSPEED]	Wind speed data, the x-coordinate of the power curve (m/sec).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
[WT_POWER]	power data, the y-coordinate of the power curve (kW).	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
[WT_THRUSTCOEFFICIENT]	The thrust coefficient of the wind turbine power as a function of the wind speed.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.

Dates of Scheduled Maintenance of a Wind Farm					
[WT_WHENOFF]	The date when the turbine will enter in maintenance.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
[WT_WHENON]	The date when maintenance is expected to end for the turbine.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Dates for Down-regulating a Wind Farm					
[WT_WHENDOWN]	The date when down-regulation will start for a group of turbines.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
[WT_WHENUP]	The date when the down-regulation operation will end.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
[DOWNREG_VALUE]	The maximum power output of the wind turbine that is permitted during the down-regulation period (in kW). This value is indicative on the contribution of a wind turbine to a set-point set for the whole wind farm. The sum of the restricted capacities of the wind turbines makes the set-point for the whole wind farm.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
TIMESERIES DATA REPOSITORY					
5 min Dispatch					
POWERMEAN	contains the mean power prediction as calculated by the WPP models.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOE50	contains the 50% POE (probability of exceedance) power prediction from uncertainty estimation.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERDELTA	contains the power difference (delta) of POWERPOE50 to the last SCADA (not included for all prediction products).	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOELOW	contains the low power prediction for preset POE (probability of exceedance). 90% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOEHIGH	contains the high power prediction for preset POE (probability of exceedance). 10% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
5 min PreDispatch					
POWERMEAN	contains the mean power prediction as calculated by the WPP models.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOE50	contains the 50% POE (probability of exceedance) power prediction from uncertainty estimation.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERDELTA	contains the power difference (delta) of POWERPOE50 to the last SCADA (not included for all prediction products).	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOELOW	contains the low power prediction for preset POE (probability of exceedance). 90% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOEHIGH	contains the high power prediction for preset POE (probability of exceedance). 10% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
30 min PreDispatch					
POWERMEAN	contains the mean power prediction as calculated by the WPP models.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOE50	contains the 50% POE (probability of exceedance) power prediction from uncertainty estimation.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERDELTA	contains the power difference (delta) of POWERPOE50 to the last SCADA (not included for all prediction products).	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOELOW	contains the low power prediction for preset POE (probability of exceedance). 90% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOEHIGH	contains the high power prediction for preset POE (probability of exceedance). 10% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
ST PASA					
POWERMEAN	contains the mean power prediction as calculated by the WPP models.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOE50	contains the 50% POE (probability of exceedance) power prediction from uncertainty estimation.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERDELTA	contains the power difference (delta) of POWERPOE50 to the last SCADA (not included for all prediction products).	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOELOW	contains the low power prediction for preset POE (probability of exceedance). 90% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOEHIGH	contains the high power prediction for preset POE (probability of exceedance). 10% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.

MT PASA					
POWERMEAN	contains the mean power prediction as calculated by the WPP models.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOE50	contains the 50% POE (probability of exceedance) power prediction from uncertainty estimation.	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERDELTA	contains the power difference (delta) of POWERPOE50 to the last SCADA (not included for all prediction products).	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOELOW	contains the low power prediction for preset POE (probability of exceedance). 90% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
POWERPOEHIGH	contains the high power prediction for preset POE (probability of exceedance). 10% POE	Timeseries	AEMO	Public	Individual WF Forecasts are Confidential on the Trading day, and made public on next Trading day. Regional forecasts are Public on the day.
OTHER INFO COLLECTED FROM THE WIND FARMS					
General characteristics of a Wind Farm					
Wind farm altitude (m ASL)	Representative value for the wind farm (given as a unique value)	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Wind farm geometry (map)	Given as a map with marked wind turbines position	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Orography information (map)	Given as a map in numerical format (e.g. WASP format)	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Met mast measuring height (m AGL)	If a met mast available, the measurements height is provided.	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Met mast Geographical coordinates (Lat/Lon)	If a met mast available, the geographical coordinates are provided	Standing	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
SCADA data					
Wind power data	Active Power from the wind farm.	Timeseries	Participant	Public	Individual WF data is Confidential on the Trading day, and made public on next Trading day. Regional data is Public on the day.
Wind turbines availability data	Provided either - as number of turbines in operation, or as number available for generation	Timeseries	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Wind speed data	Wind speed mtr/ sec or some other sampling frequency	Timeseries	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Wind direction data	Wind direction in degrees	Timeseries	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Temperature data (if available)	Ambient temperature at the wind farm (°C).	Timeseries	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Control Scheme Set points (if available)	Control Scheme setpoints and operation status (On/Off)	Timeseries	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
Pressure or humidity data (if available)	Pressure r humidity at the wind farm.	Timeseries	Participant	Confidential	Data is confidential and can be released to researchers on wind farm approval.
WEATHER FEEDS					
ECMWF	2 runs a day (00 and 12 UTC)	NWP	AEMO	Confidential	Sub Licence can be granted to organisations requiring this data, as per Article 3 'Limitation of use' of the ECMWF contract. Researcher needs to execute a sub-licence agreement with ECMWF provider.
GFS	GRIB format	NWP	AEMO	Public	Publically available from the US National Weather Service website as per disclaimer on http://www.weather.gov/disclaimer.php
BoM	Models procured GASP, LAPS125, LAPS05 - ADELAIDE, LAPS05 - VICTAS	NWP	AEMO	Confidential	Sub Licence can NOT be granted to organisations requiring this data. Researcher needs to get data directly from BoM. Some BoM forecasts are publically available through their website.