

Emu Downs Wind Farm's Electricity Generation Licence 2015 Performance Audit and Asset Management System Review

POST AUDIT IMPLEMENTATION PLAN

EIA = Electricity Industry Act 2004

EIMC = Electricity Industry (Metering) Code 2012

PERFORMANCE AUDIT							
Ref No/ 2015	Oblig No	Licence Requirement / Rating	Finding	Recommendation	Action	By Whom	Date
1	106	<p>Rating: B1</p> <p>Lic Ref:C5.1, Electricity Industry Act section 31(3)</p> <p>A licensee must take reasonable steps to minimise the extent or duration of any interruption, suspension or restriction of the supply of electricity due to an accident, emergency, potential danger or other unavoidable cause.</p>	<p>▶ Although Vestas are responsible for the maintenance of the substation, the risk of substation loss of availability remains with the owner, APA. There is currently no risk assessment for the substation plant.</p>	<p>1/2015 Complete and routinely update a risk assessment for the substation plant.</p>	<p>Review and update the risk assessment performed on the EDWF substation plant in 2009. Include the results from this assessment in the EDWF Year Plan and review annually thereafter.</p>	<p>EDWF Manager and Management Committee</p>	<p>31/01/16</p>

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POST REVIEW IMPLEMENTATION PLAN

ASSET MANAGEMENT SYSTEM REVIEW							
Item No	EC Ref	Rating / AMS Component Effectiveness Criteria	Asset Management System Deficiency	Recommendation	Action	By Whom	Date
-	1.8	B2 Likelihood and consequences of asset failure are predicted.	<ul style="list-style-type: none"> There was insufficient evidence to show that the Substation plant is subject to annual risk assessments including likelihood and consequences of asset failures. 	Recommendation 4/2015 at EC8.2 addresses the finding.	Action as per Performance Audit recommendation 1/2015		
1	5.3	B2 Assets are documented in an Asset Register including asset type, location, material, plans of components, an assessment of assets' physical/structural condition and accounting data.	<ul style="list-style-type: none"> Whilst plant list, drawings, maintenance plans and condition details were documented and available, during the Review it was not possible to access the overall Balance of Plant asset register. 	1/2015 Ensure that the Balance of Plant asset register is available.	Maintain and make available the Asset Register for the Balance of Plant (substation and underground cables)	APA Financial Officer	Next ERA Audit and Review
2	7.1	B1 Adequate system documentation for users and IT operators.	<ul style="list-style-type: none"> While most documents viewed did have sufficient document control, there were some examples of appropriate document control missing, both with Vestas and EDWF: <ul style="list-style-type: none"> EDWF Business & Asset Risk Register 2015 (EDWF document) EDWF Fire Ban Procedure (Vestas document dated 23/07/15) Emu Down Wind Farm SRS 	2/2015 Ensure documents are adequately controlled with removal and finalisation of draft issues, revision tracking and authorised approvals across Vestas and EDWF (APA Group).	Documents should be subject to revision control and reviewed as appropriate.	EDWF Manager and Vestas Manager	Ongoing

ASSET MANAGEMENT SYSTEM REVIEW							
Item No	EC Ref	Rating / AMS Component Effectiveness Criteria	Asset Management System Deficiency	Recommendation	Action	By Whom	Date
			(EDWF document in draft status) <ul style="list-style-type: none"> Linux Environment and Oracle Database SRD (EDWF document in draft status) 				
3	7.7	A1 Data backup procedures appear adequate and backups are tested.	<ul style="list-style-type: none"> Compliance manual is out of date with respect to current timing of audit obligations - once every 36 months. Compliance manual is duplicated in parts with respect to actions required, possibly making it more difficult to use as a regular compliance tool. 	3/2015 [OFI] Review Compliance Manual for accuracy and practicality. Consolidate actions to improve ease of use.	Review Compliance Manual and consolidate actions. Reviews to take place every 5 years.	EDWF Manager and Management Committee	30/09/16
4	8.2	B1 Risks are documented in a risk register and treatment plans are actioned and monitored.	<ul style="list-style-type: none"> Asset related risks for substation plant fall outside of Vestas responsibility and are currently not covered by EDWF's risk management scope. 	4/2015 Include substation plant as part of the Business & Asset Risk Register review process.	Action as per Performance Audit recommendation 1/2015		