

# Compliance plan for Southland District Council Distributed Unmetered Load for Meridian Energy Limited

Title: Deriving Submission Information		
Non-compliance	Description	
<p>Audit Ref: 2.1</p> <p>With: Clause 11(1) of Schedule 15.3</p> <p>From: unknown</p> <p>To: 22-Mar-18</p>	<p>The databases contain some incorrect and missing information.</p> <ul style="list-style-type: none"> <li>• The Aurora Energy Heritage Estate database accuracy is assessed to be 98.3% indicating an estimated over submission of 440 kWh per annum.</li> <li>• The PowerNet database accuracy is assessed to be <u>93.7%</u> indicating an estimated over submission of 7,500 kWh per annum.</li> <li>• Some lamps situated in Heritage Estate outside the Aurora Energy embedded network are not recorded in PowerNet’s database.</li> <li>• Two lamps in the PowerNet database do not have wattage information recorded.</li> <li>• Seven lamps in the PowerNet database had incorrect descriptions, but wattage was recorded correctly.</li> <li>• Some lamps have incorrect ballast wattages recorded. The total difference for the Aurora Energy Heritage Estate database is 1.5 watts (6 kWh per annum over reported), and the total difference for the PowerNet database is 146.5 watts (625 kWh per annum under reported).</li> </ul> <p>Potential impact: Low</p> <p>Actual impact: Low</p> <p>Audit history: Once previously</p> <p>Controls: Weak</p> <p>Breach risk rating: 3</p>	
Audit risk rating	Rationale for audit risk rating	
<b>Low</b>	<p>The controls are rated as weak, because they are not sufficient to ensure that lamp details are correct.</p> <p>The impact is assessed to be low based on the wattage differences described above.</p>	
Actions taken to resolve the issue	Completion date	Remedial action status
The issues identified in both the Powernet and Aurora databases will be resolved through the validation work being carried out on SDC’s DUMML database. This work is scheduled to be completed by the end of May.	31 May 2018	Identified

<b>Preventative actions taken to ensure no further issues will occur</b>	<b>Completion date</b>
Meridian will transition to using SDC's validated RAMM database as the source of information for settlement. This is currently planned for June submissions.	01 July 2018

<b>Title: Location of each item of load</b>		
<b>Non-compliance</b>	<b>Description</b>	
Audit Ref: 2.3 With: Clause 11(2)(b) of Schedule 15.3  From: unknown To: 22-Mar-18	45 items of load do not have a street address recorded. Eleven items of load had incorrect or insufficient address information and could not be easily located. Potential impact: Low Actual impact: Low Audit history: Once previously Controls: Moderate Breach risk rating: 2	
<b>Audit risk rating</b>	<b>Rationale for audit risk rating</b>	
<b>Low</b>	Controls are rated as moderate as they are sufficient to ensure that most items of load have address information recorded. The impact is rated as low because 56 ICPs (2.0%) have insufficient or incorrect address information.	
<b>Actions taken to resolve the issue</b>	<b>Completion date</b>	<b>Remedial action status</b>
The issues identified in both the Powernet and Aurora databases will be resolved through the work being carried out on SDC's DUML database. This work is scheduled to be completed by the end of May.	31 May 2018	Identified
<b>Preventative actions taken to ensure no further issues will occur</b>	<b>Completion date</b>	
Meridian will transition to using SDC's validated RAMM database as the source of information for settlement. This is currently planned for June submissions.	01 July 2018	

<b>Title: Description and capacity of load</b>		
<b>Non-compliance</b>	<b>Description</b>	
Audit Ref: 2.4 With: Clause 11(2)(b) of Schedule 15.3  From: unknown To: 22-Mar-18	Two items of load do not have lamp wattage or total wattage recorded. Potential impact: Low Actual impact: Low Audit history: None Controls: Strong Breach risk rating: 1	
<b>Audit risk rating</b>	<b>Rationale for audit risk rating</b>	
<b>Low</b>	Controls are rated as strong as they are sufficient to ensure that most items of load have wattage and model information recorded. The impact is rated as low because 2 lamps (0.07%) have missing load information.	
<b>Actions taken to resolve the issue</b>	<b>Completion date</b>	<b>Remedial action status</b>
The issues identified in both the Powernet and Aurora databases will be resolved through the validation work being carried out on SDC's DUML database. This work is scheduled to be completed by the end of May.	31 May 2018	Identified
<b>Preventative actions taken to ensure no further issues will occur</b>	<b>Completion date</b>	
Meridian will transition to using SDC's validated RAMM database as the source of information for settlement. This is currently planned for June submissions.	01 July 2018	

<b>Title: All load recorded in database</b>		
<b>Non-compliance</b>	<b>Description</b>	
Audit Ref: 2.5 With: Clause 11(2A) of Schedule 15.3  From: unknown To: 22-Mar-18	Some lamps situated in Heritage Estate outside the Aurora Energy embedded network are not recorded in PowerNet's database. Potential impact: Low Actual impact: Low Audit history: Once previously Controls: Moderate Breach risk rating: 2	
<b>Audit risk rating</b>	<b>Rationale for audit risk rating</b>	
<b>Low</b>	The controls are rated as moderate, as they are sufficient to ensure that most database information is recorded correctly.  The impact is expected to be low.	

<b>Actions taken to resolve the issue</b>	<b>Completion date</b>	<b>Remedial action status</b>
The issues identified in both the Powernet and Aurora databases will be resolved through the validation work being carried out on SDC's DUMML database. This work is scheduled to be completed by the end of May.	31 May 2018	Identified
<b>Preventative actions taken to ensure no further issues will occur</b>	<b>Completion date</b>	
Meridian will transition to using SDC's validated RAMM database as the source of information for settlement. This is currently planned for June submissions.	01 July 2018	

<b>Title: Tracking of load changes</b>		
<b>Non-compliance</b>	<b>Description</b>	
<p>Audit Ref: 2.6 With: Clause 11(3) of schedule 15.3</p> <p>From: entire audit period</p>	<p>The tracking of load changes is not being carried out in relation to changing of light type on existing items of load for the PowerNet database. Changes are not being tracked in Aurora Energy's Heritage Estate database.</p> <p>Potential impact: Medium Actual impact: Low Audit history: None Controls: Weak Breach risk rating: 3</p>	
<b>Audit risk rating</b>	<b>Rationale for audit risk rating</b>	
<b>Low</b>	<p>The controls are rated as weak, because changes to light type are not being captured for exiting items of load.</p> <p>The impact is assessed to be low; over reporting caused by database inaccuracy is expected to be around 4500 kWh per annum.</p>	
<b>Actions taken to resolve the issue</b>	<b>Completion date</b>	<b>Remedial action status</b>
The issues identified in both the Powernet and Aurora databases will be resolved through the validation work being carried out on SDC's DUMML database. This work is scheduled to be completed by the end of May.	31 May 2018	Choose an item.
<b>Preventative actions taken to ensure no further issues will occur</b>	<b>Completion date</b>	
Meridian will transition to using SDC's validated RAMM database as the source of information for settlement. This is currently planned for June submissions.	01 July 2018	

<b>Title: Database accuracy</b>		
<b>Non-compliance</b>	<b>Description</b>	
<p>Audit Ref: 3.1</p> <p>With: Clause 15.2 and 15.37B(b)</p> <p>From: unknown</p> <p>To: 22-Mar-18</p>	<p>The databases contain some incorrect and missing information.</p> <ul style="list-style-type: none"> <li>• The Aurora Energy Heritage Estate database accuracy is assessed to be 98.3% indicating an estimated over submission of 440 kWh per annum.</li> <li>• The PowerNet database accuracy is assessed to be <u>93.7%</u> indicating an estimated over submission of 7,500 kWh per annum.</li> <li>• Some lamps situated in Heritage Estate outside the Aurora Energy embedded network are not recorded in PowerNet's database.</li> <li>• Two lamps in the PowerNet database do not have wattage information recorded.</li> <li>• Seven lamps in the PowerNet database had incorrect descriptions, but wattage was recorded correctly.</li> <li>• Some lamps have incorrect ballast wattages recorded. The total difference for the Aurora Energy Heritage Estate database is 1.5 watts (6 kWh per annum over reported), and the total difference for the PowerNet database is 146.5 watts (625 kWh per annum under reported).</li> </ul> <p>Potential impact: Low</p> <p>Actual impact: Low</p> <p>Audit history: None</p> <p>Controls: Weak</p> <p>Breach risk rating: 3</p>	
<b>Audit risk rating</b>	<b>Rationale for audit risk rating</b>	
<b>Low</b>	<p>The controls are rated as weak, because they are not sufficient to ensure that lamp details are correct.</p> <p>The impact is assessed to be low based on the wattage differences described above.</p>	
<b>Actions taken to resolve the issue</b>	<b>Completion date</b>	<b>Remedial action status</b>
The issues identified in both the Powernet and Aurora databases will be resolved through the validation work being carried out on SDC's DUML database. This work is scheduled to be completed by the end of May.	31 May 2018	Identified
<b>Preventative actions taken to ensure no further issues will occur</b>	<b>Completion date</b>	
Meridian will transition to using SDC's validated RAMM database as the source of information for settlement. This is currently planned for June submissions.	01 July 2018	

<b>Title: Volume information accuracy</b>		
<b>Non-compliance</b>	<b>Description</b>	
<p>Audit Ref: 3.2</p> <p>With: Clause 15.2 and 15.37B(c)</p> <p>From: unknown</p> <p>To: 22-Mar-18</p>	<p>The databases contain some incorrect and missing information.</p> <ul style="list-style-type: none"> <li>• The Aurora Energy Heritage Estate database accuracy is assessed to be 98.3% indicating an estimated over submission of 440 kWh per annum.</li> <li>• The PowerNet database accuracy is assessed to be <u>93.7%</u> indicating an estimated over submission of 7,500 kWh per annum.</li> <li>• Some lamps situated in Heritage Estate outside the Aurora Energy embedded network are not recorded in PowerNet's database.</li> <li>• Two lamps in the PowerNet database do not have wattage information recorded.</li> <li>• Seven lamps in the PowerNet database had incorrect descriptions, but wattage was recorded correctly.</li> <li>• Some lamps have incorrect ballast wattages recorded. The total difference for the Aurora Energy Heritage Estate database is 1.5 watts (6 kWh per annum over reported), and the total difference for the PowerNet database is 146.5 watts (625 kWh per annum under reported).</li> </ul> <p>Potential impact: Low</p> <p>Actual impact: Low</p> <p>Audit history: Once previously</p> <p>Controls: Weak</p> <p>Breach risk rating: 3</p>	
<b>Audit risk rating</b>	<b>Rationale for audit risk rating</b>	
<b>Low</b>	<p>The controls are rated as weak, because they are not sufficient to ensure that lamp details are correct.</p> <p>The impact is assessed to be low based on the wattage differences described above.</p>	
<b>Actions taken to resolve the issue</b>	<b>Completion date</b>	<b>Remedial action status</b>
The issues identified in both the Powernet and Aurora databases will be resolved through the validation work being carried out on SDC's DUML database. This work is scheduled to be completed by the end of May.	31 May 2018	Identified
<b>Preventative actions taken to ensure no further issues will occur</b>	<b>Completion date</b>	
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