

Compliance plan for NZTA Lower North Island – 15/10/2021

| Distributed unmetered load audits | | | |
|--|--|-------------------------|------------------------|
| Non-compliance | Description | | |
| Audit Ref: 1.9 With: Clause 16A.26 and 17.295F From: 01-Sep-21 To: 03-Oct-21 | Audit conducted late. Potential impact: None Actual impact: None Audit history: None Controls: Strong Breach risk rating: 1 | | |
| Audit risk rating | Rationale for audit risk rating | | |
| Low | The controls are recorded as strong because the audit was planned but had to be delayed due to COVID-19 travel restrictions. The impact on settlement and participants is minor; therefore, the audit risk rating is low. | | |
| Actions taken to resolve the issue | | Completion date | Remedial action status |
| Genesis has been engaged with NZTA for some time as their program of work progressed to remove nzta assets from council ownership. | | Proposed or actual date | Cleared |
| Preventative actions taken to ensure no further issues will occur | | Completion date | |
| | | | |

| Deriving submission information | | |
|--|--|------------------------|
| Non-compliance | Description | |
| <p>Audit Ref: 2.1</p> <p>With: Clause 11(1) of Schedule 15.3</p> <p>From: 01-Jun-21</p> <p>To: 03-Oct-21</p> | <p>The database is outside of the allowable +/-5% threshold. There is a 95% level of confidence that the annual consumption is between 249,800 kWh p.a. lower to 220,400 kWh p.a. higher than the database indicates.</p> <p>In absolute terms, total annual consumption is estimated to be 35,300 kWh lower than the DUML database indicates.</p> <p>ICPs 0001113593WM404 & 0001113594WM9CE had the “night hours” from the profile used for submission for June 2021 instead of the data logger hours.</p> <p>Incorrect gear wattage for 13 items of load.</p> <p>Potential impact: High</p> <p>Actual impact: Medium</p> <p>Audit history: None</p> <p>Controls: Weak</p> <p>Breach risk rating: 6</p> | |
| Audit risk rating | Rationale for audit risk rating | |
| Medium | <p>The controls are recorded as weak because the database requires a 100% field audit in order to ensure accuracy.</p> <p>The impact on settlement and participants is moderate based on the kWh error; therefore, the audit risk rating is medium.</p> | |
| Actions taken to resolve the issue | Completion date | Remedial action status |
| NZTA have rolled out a program of work to create a national database of assets. The database will be maintained by regions. The mid-lower north island has been the focus of the initial program but will be extending to other regions. The NZTA has advised that there is a desire to replace the assets with LED and that the cost to execute a full field audit will delay any potential LED roll out, therefore no field audit will be conducted. | Continuous improvement | Identified |
| Preventative actions taken to ensure no further issues will occur | Completion date | |
| Genesis will continue to work alongside the NZTA contractor to raise the accuracy level of the newly formed database. Genesis has corrected the profiling from the legacy night hours to its appropriate streetlighting profile, and revise settlement processes. | Continuous improvement | |

| Description and capacity of load | | | |
|--|---|-------------------------|------------------------|
| Non-compliance | Description | | |
| <p>Audit Ref: 2.4</p> <p>With: Clause 11(2)(c) and (d) of Schedule 15.3</p> <p>From: 01-Jun-21</p> <p>To: 03-Oct-21</p> | <p>99 items of load have a blank or unknown light model description.</p> <p>Two items of load have zero recorded in the lamp wattage field.</p> <p>13 items of load have incorrect gear wattages.</p> <p>Potential impact: Medium</p> <p>Actual impact: Low</p> <p>Audit history: None</p> <p>Controls: Weak</p> <p>Breach risk rating: 3</p> | | |
| Audit risk rating | Rationale for audit risk rating | | |
| Low | <p>The controls are recorded as weak because the database requires a 100% field audit in order to ensure accuracy.</p> <p>The impact is assessed to be low based on the kWh impact.</p> | | |
| Actions taken to resolve the issue | | Completion date | Remedial action status |
| NZTA has agreed to populate this information and will advise Genesis when this has been completed | | 01/12/2021 | Identified |
| Preventative actions taken to ensure no further issues will occur | | Completion date | |
| NZTA has created the database and will actively populate any missing information as they become aware of it. Genesis continues to review duml datasets to provide exception management reporting back to the customer. | | Continuous improvements | |

| All load recorded in database | | | |
|--|---|-------------------------|------------------------|
| Non-compliance | Description | | |
| <p>Audit Ref: 2.5</p> <p>With: Clause 11(2A) of Schedule 15.3</p> <p>From: 01-Jun-21</p> <p>To: 03-Oct-21</p> | <p>17 items of load in the field not recorded in the database, resulting in annual under submission of 9,174 kWh per annum. This discrepancy is included in the total field audit discrepancy recorded in section 3.1.</p> <p>Potential impact: Medium</p> <p>Actual impact: Low</p> <p>Audit history: None</p> <p>Controls: Weak</p> <p>Breach risk rating: 3</p> | | |
| Audit risk rating | Rationale for audit risk rating | | |
| Low | <p>The controls are recorded as weak because the database requires a 100% field audit in order to ensure accuracy.</p> <p>The impact on settlement and participants is minor; therefore, the audit risk rating is low.</p> | | |
| Actions taken to resolve the issue | | Completion date | Remedial action status |
| NZTA has agreed to populate this information and will advise Genesis when this has been completed. | | 01/12/2021 | Identified |
| Preventative actions taken to ensure no further issues will occur | | Completion date | |
| NZTA has created the database and will actively populate any missing information as they become aware of it. Genesis continues to review duml datasets to provide exception management reporting back to the customer. | | Continuous improvements | |

| Database accuracy | | | |
|--|---|------------------------|------------------------|
| Non-compliance | Description | | |
| <p>Audit Ref: 3.1</p> <p>With: Clause 15.2 and 15.37B(b)</p> <p>From: 01-Jun-21</p> <p>To: 03-Oct-21</p> | <p>The database is outside of the allowable +/-5% threshold. There is a 95% level of confidence that the annual consumption is between 249,800 kWh p.a. lower to 220,400 kWh p.a. higher than the database indicates.</p> <p>In absolute terms, total annual consumption is estimated to be 35,300 kWh lower than the DUML database indicates.</p> <p>Database discrepancies are as follows:</p> <ul style="list-style-type: none"> • 13 incorrect gear wattages, • 657 incorrect light model descriptions, • 17 items of load in the field not in the database, • 13 items of load in the database but not in the field, and • 125 incorrect wattages. <p>Potential impact: High</p> <p>Actual impact: Medium</p> <p>Audit history: None</p> <p>Controls: Weak</p> <p>Breach risk rating: 6</p> | | |
| Audit risk rating | Rationale for audit risk rating | | |
| Medium | <p>The controls are recorded as weak because the database requires a 100% field audit in order to ensure accuracy.</p> <p>The impact on settlement and participants is moderate based on the kWh error; therefore, the audit risk rating is medium.</p> | | |
| Actions taken to resolve the issue | | Completion date | Remedial action status |
| NZTA has agreed to populate this information and will advise Genesis when this has been completed. | | Continuous improvement | Identified |
| Preventative actions taken to ensure no further issues will occur | | Completion date | |
| NZTA has created the database and will actively populate any missing information as they become aware of it. Genesis continues to review duml datasets to provide exception management reporting back to the customer. | | Continuous improvement | |

| Volume information accuracy | | | |
|--|---|-------------------------|------------------------|
| Non-compliance | Description | | |
| <p>Audit Ref: 3.2</p> <p>With: Clause 15.2 and 15.37B(c)</p> <p>From: 01-Jun-21</p> <p>To: 03-Oct-21</p> | <p>The database is outside of the allowable +/-5% threshold. There is a 95% level of confidence that the annual consumption is between 249,800 kWh p.a. lower to 220,400 kWh p.a. higher than the database indicates.</p> <p>In absolute terms, total annual consumption is estimated to be 35,300 kWh lower than the DUML database indicates.</p> <p>ICPs 0001113593WM404 & 0001113594WM9CE had the "night hours" from the profile used for submission for June 2021 instead of the data logger hours</p> <p>Incorrect gear wattage for 13 items of load.</p> <p>Potential impact: High</p> <p>Actual impact: Medium</p> <p>Audit history: None</p> <p>Controls: Weak</p> <p>Breach risk rating: 6</p> | | |
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| Medium | <p>The controls are recorded as weak because the database requires a 100% field audit in order to ensure accuracy.</p> <p>The impact on settlement and participants is moderate based on the kWh error; therefore, the audit risk rating is medium.</p> | | |
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| Preventative actions taken to ensure no further issues will occur | | Completion date | |
| NZTA has created the database and will actively populate any missing information as they become aware of it. Genesis continues to review duml datasets to provide exception management reporting back to the customer. | | Continuous improvements | |