

NewGen Power Kwinana Pty Ltd 2017 Asset Management System Review, Electricity Generation Licence

POST REVIEW ACTION PLAN

| ASSET MANAGEMENT REVIEW | | | | | | |
|-------------------------|---|---|---|--------------------|--------------------------|-------------|
| Ref. (no./year) | Asset System Deficiency (Rating / Asset Management System Component & Effectiveness Criteria / Details of Asset System Deficiency) | Auditors' Recommendation | Management Action | Responsible Person | Due Date | Status |
| 01/2017 | B1 / 1.5 Key process - Asset Management Information System (MIS) Lifecycle costs of owning and operating assets are assessed | Consideration could be given to using a different program instead of the excel database as a means for establishing the Lifecycle Costing. Whilst it is thorough and an effective tool. Issues with multi user, versions control and referencing of documents that can be obsolete are some potential issues that have been identified. | Lifecycle costing tool was developed by Jacobs as a bespoke tool for NPK. Version control and access to changes is limited to the Engineering Manager only. NPK believe that this tool is managed correctly, is fit for purpose and do not intend on changing this at present. | Station Manager | N/A | Completed |
| 02/2017 | B2 / 7.1 Key process - Asset Management Information System (MIS) Adequate system documentation for users and IT operators | Document management system to be replaced with HPRM. | Installation of new Optus fibre optic network link connection required for compatibility with the Corporate server. HPE Content Manager installation and upload will follow once the link connection is completed. | Station Manager | July 2018 | In Progress |
| 03/2017 | B2 / 7.5 Key process - Asset Management Information System (MIS) Data backup procedures appear adequate and backups are tested | Restore process needs to be developed and tested | Engage an independent partner to conduct a 'Business Impact Assessment' (BIA), to determine focus and priority for key systems. Design and implement a 'Backup and Disaster Recovery Plan' based on the BIA and catering for the ever-changing IT assets | IT Dept. Manager | Feb 2018 Aug 2018 | In Progress |

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| 04/2017 | B1 / 8.2 Key Process - Risk Management Risks are documented in a risk register and treatment plans are actioned and monitored | Monitor the use of the risk register and simplify if necessary. | This is completed as a routine part of the continual improvement model incorporated into the NPK Risk Management Framework process. Enter a Planned Maintenance routine into the NPK CMMS (MEX) for annual review. | Station Manager | Jan 2018 | Completed |
| 05/2017 | B2 / 9.1 Key Process - Contingency Planning <i>Contingency plans document the steps to deal with the unexpected failure of an asset.</i> | Contingency plans should be tested where possible. | Develop a contingency plan exercise calendar and add this to the Business Continuity Plan. Develop Planned Maintenance Routines into the NPK CMMS (MEX) for exercises. | Station Manager | March 2018 | In Progress |
| 06/2017 | B1/ 12.1 Key Process – Review of AMS A review process is in place to ensure that the asset management plan and the asset management system described therein are kept current | Ensure that annual review of the AMP is implemented. | This is an integral part of the continual improvement model incorporated into the AMP Framework. Enter a PM into the NPK CMMS (MEX) for annual review. | Station Manager | March 2018 | In Progress |
| 07/2017 | All | Formally issue revised AMP documentation. | Documents were issued in September 2017, post review period. | Station Manager | Sept 2017 | Completed |