

Notice is hereby given that a Meeting of the Stewart Island/Rakiura Community Board will be held on:

Date: Monday, 10 April 2017
Time: 1.30pm
Meeting Room: Pavilion, Ayr Street, Stewart Island
Venue:

Stewart Island/Rakiura Community Board Agenda - Late Items

OPEN

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PowerNet Limited's Reports on SIESA Operations for the month of March 2017

Record No: R/17/4/7793
Author: Ray Hamilton, Team Leader Community Engineers
Approved by: Ian Marshall, Group Manager Services and Assets

Decision Recommendation Information

- 1 PowerNet Limited's report for SIESA operations for the month of March 2017 is attached.

Recommendation

That the Stewart Island/Rakiura Community Board:

- a) Receives the reports titled "PowerNet Limited's Reports on SIESA Operations for the month of March 2017" dated 6 April 2017.

Attachments

- A Stewart Island Monthly Report, March 2017 [↓](#)



Summary Report – March -2017

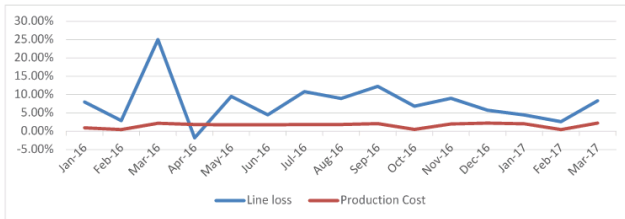


PERFORMANCE

EFFECTIVENESS	Outages	Generator Forced Outages	report cycle	0
		Feeder Forced Outages	report cycle	0
		Consumer Outages	report cycle	0
		Planned Outages	report cycle	0
		Station Outages	report cycle	0
	Connections	New Connections	report cycle	1
		Reconnections	report cycle	1
		Disconnections	report cycle	0
	Complaints	Quality of Supply	report cycle	0
		Performance Related	report cycle	0

PEOPLE / CULTURE	Team Safety	Medical Treatment Intervention	report cycle	0
		Lost Time Injury	report cycle	0
		Near Miss	report cycle	0
	Team Health	Days Off	report cycle	3.5 Sick Leave
		Annual Leave	report cycle	4 Days
	Training	Safety training	report cycle	0
		Technical / Personal Development	report cycle	0

- Continue with the replacement of kidney strain insulators
- Continue with the pole condition survey
- Further work on the connection of Unit 5 to the day tank fuel supply



The electrical generation system, distribution and retail service for SIESA was generally good during March. The sold units were slightly down on the previous month.

This report covers the calendar month of March. Meter reading is undertaken on the 20th of the month and all statistical information and graphs are for the period 21 February through to 20 March.

The General Manager, Service Manager, Sales Manager of South Pacific Diesel and Ray Hamilton of SDC were on site on 16 March; they signed off on the commissioning of Unit 5, checked the belt issue on Unit 4 and discussed options for future engine and genset upgrades.

Approvals have been received to undertake a service on Unit 4 as part of oil leak repairs, this is planned for the first week in April.

The line maintenance project to replace the “kidney strain” insulators has been ongoing with a line team from Invercargill undertaking the Horseshoe Bay section; apart from one pole all of Feeder 1 has been completed. The intention is to change the strains on the section between Hicks Rd and Elgin terrace early in May. This section will require an outage to the township and once this section is completed further outages as part of this project will be reduced as low voltage transfers are available.

A fault was reported on 11 March but proved to be a “tripped” RCD on the customer’s premises.

A connection for new house on Peterson Hill and a reconnection of a builder’s box in Mapua Road were actioned during the month.

The steel pipework for the new day tank fuel lines has been painted and sent to the Island, the bunding pipe has not yet arrived. Once this is on site the driveway will be excavated and pipefitting can begin.

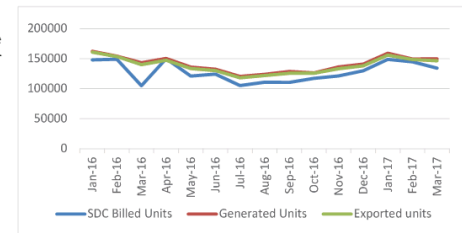
PowerNet safety sessions will be attended by Chris and Steve during April.

Vegetation growth around some equipment is going to need cutting over the winter, a tree cutting budget needs to be set up for the next financial year (September 2017).

The pole condition survey covering 20% of the network is under action.

PROJECTS

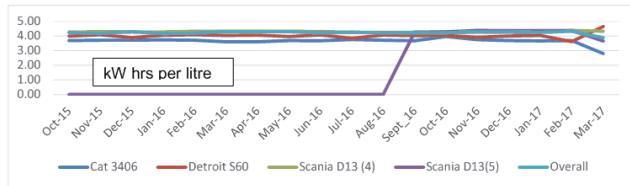
Item	% Complete	Comments
P/O 126806 (110985) Back-up cables and G5 commissioning	100%	Complete – Final claim submitted to SDC
P/O 116301 New diesel day tank connection and certification	2%	Pipework has been sandblasted and painted. Steel pipe is onsite
P/O 116412 GIS maintenance	75%	Invoiced quarterly
P/O 116414 Replacement or refurbishment of 2 x 15,000 fuel tanks	0%	Awaiting job brief from SDC
P/O 116416 Replacement of 2 fuel pumps	0%	Approval to replace pumps as part of the fuel line installation has been given
P/O 123647 Meter Replacement	6%	Two meters replaced during March
P/O 123648 Renewal / Upgrade Projects	0%	Awaiting job brief from SDC
P/O 123654 Management Fee Operations	75%	Monthly charge
P/O 123662 Distribution Maintenance	Ongoing	Horseshoe Bay area kidney strain insulators replaced during March. More replacements planned for May.
P/O 123918 Maintenance on Units 3 and 4	100%	Repairs and maintenance complete
P/O 125659 Generation Maintenance	Ongoing	Unit 4 oil leak repairs planned for early April



ENGINE MAINTENANCE REPORT

RISK AND STRATEGY UPDATES

	Make / Model	Hours	Hours this Month	Fuel this Month	Kilowatt hours	Last services	Oil Test results
Unit 1	CAT 3406	17477	8	146	410	25/03/2016	No Sample
Unit 2	CAT 3408	45496	3	23	120	13/01/2017	"B"
Unit 3	Detroit 60	19355	127	4835	22504	04/03/2017	"B"
Unit 4	Scania D13	22079	135	5838	25309	28/02/2017	"A"
Unit 5	Scania D13	1408	499	23054	101439	23/03/2017	"A"



		Update
Identified Risks	Structures / Poles	Line inspections (20% of the network) is in progress using a PowerNet developed data capture app
	Transformers	Replacement of two HV cables is in the planning stage
	Pillar boxes / Link Boxes / Cabling	Connection of LV cabling in Horseshoe Bay is being investigated
	Lines / Insulators	Feeder 1 had strains insulators changed on 10 poles during February
	Generation Plant	Plant is all in operational condition with Unit 5 having been signed off by South Pacific Diesel and a service planned for Unit 4 early in April.
Generation Equipment	Control Systems	Installation of the main tank level sensors is completed. Level switches have been fitted to Unit 5 fuel tank.
	Fuel systems / Plant	Steel pipework is painted and onsite for the new fuel lines.
	Buildings	The building is in good condition with some internal painting planned.

PICTURES



Rust on Unit 4 cooling tower



Existing day tank Showing pipework and sensors



Running tank for Unit 3 (Units 1 & 2 are the same) These will be connected to the new day tank



Vegetation near a pole in Excelsior Road