

STAFF REPORT

TO: Chairman and Members, Engineering Services Committee
FROM: Utilities Asset Manager, Jeff Cuthbertson
REFERENCE: S302
DATE: 23 November 2006
SUBJECT: **EMERGENCY MOBILE GENERATOR SET**

1 PURPOSE

The purpose of this report is to seek support from the Engineering Services Committee to provide a mobile emergency generator set for use on Council's sewage pumping station network.

2 COMMENT

Over the last year Council's sewage pumping station network has had three major power outages. The last power outage was severe enough that response plans were being prepared to contend with a major sewage overflow from the Mapua and other strategically located coastal pumping stations. As it happened, power was restored and overflows did not occur.

It was also very fortunate that the power outage occurred in the evening when sewage flows were low. The outcome would have been a lot different if the power outage had occurred early in the morning when sewage flows peak.

3 PROPOSAL

The proposal is to purchase a 110 kva silenced generator mounted on a trailer. This would allow the unit to be moved to strategic locations as and when required. Some of the strategic pumping station sites are:

Kaiteriteri	Martin Farm Road Tapu Bay Stephens Bay
Riwaka	Lodders Lane
Mapua	Wharf (outside the restaurant) Mapua CBD Tait Street
Takaka/Pohara	All pumping stations in the coastal area

4 ENVIRONMENTAL COST

The cost to Council to have sewage overflows at strategic, environmental coastal sites is prohibitive to Council in:

- a) the physical cost of the clean up;
- b) the reaction of the public and the loss of respect/mana of Council within the community

5 ESTIMATED COST AND FUNDING

The estimated cost of a 110 kva generator mounted on a dual-wheeled trailer and with the appropriate switching and metering is \$38,000.

The capital sewage upgrade at Brightwater is now complete at an estimated \$50,000 under budget. The capital works were loan funded. It is proposed to fund the cost of the generator from this under-expended capital sewage works.

6 RECOMMENDATION

THAT the Engineering Services Committee approve the reallocation of under-expended wastewater capital funding for Brightwater wastewater pipe upgrading to purchase a mobile generator for wastewater pump stations.

Jeff Cuthbertson
Utilities Asset Manager