Contact Energy Geothermal Update  
New Zealand Geothermal Association

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Highlights – Generation

Renewable Energy and Cost of Electricity

- Total generation 9,002 GWh
- % renewables up to 82%
- Cost of electricity down to $32/MWh

Highlights – Customer

Our Net Promotor Score

- Our customer numbers and service levels are improving
**Highlights – Geothermal Operating Highlights**

**CEN Geothermal Generation**

- Generation a record high
- Plant availability returns to norms
- Electricity conversion efficiency improving

**Electricity Conversion Efficiency**

<table>
<thead>
<tr>
<th>Year</th>
<th>GWh per Tonne Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>1H 15</td>
<td>30.6</td>
</tr>
<tr>
<td>2H 15</td>
<td>30.4</td>
</tr>
<tr>
<td>1H 16</td>
<td>30.2</td>
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<tr>
<td>2H 16</td>
<td>30.0</td>
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</tbody>
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**Safe to Run is driving improvement**

- Improvement in Dashboard KPIs
- New Management of Change process about to be launched
- Lower level process safety incident reporting growing

**Integrated HSE Management System**

- Overall, incidence rate outperform last year
- Ongoing continuous improvement with opportunities for the future

FY15: 51%
FY16: 60%
FY17: 68%
Improving the efficiency of our geothermal business with our capability

» Geothermal has become an increasingly important contributor to Contact’s earnings since FY12

$111m
FY12 geothermal EBITDAF

22%
of Contact FY12 underlying EBITDAF

$181m
FY16 geothermal EBITDAF

33%
of Contact FY16 underlying EBITDAF

» We are looking to expand geothermal energy to large scale direct use.

This will:
» Expand local employment;
» Strengthen grid based power demand; and
» Increase NZ exports.

In summary, most of Contact’s value is derived from its generation portfolio

01 Discretionary thermal generation

02 Low cost renewable generation portfolio

03 Strong internalised risk management

04 Balanced wholesale market
Thank You