Title of Report: 
Tender Evaluation Report for Pilot Project to Implement a Virtual Power Plant

Officer presenting: 
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Author: 
Energy Manager

1 Purpose of Report/Recommendations

1.1 The purpose of this report is to inform Members of the tender recommendations regarding the Supply of a Research and Development Pilot Project for the Implementation of a Virtual Power Plant, TENV21-01.

2 Background

2.1 Members are reminded of the EU funded project, SMARCTIC, Smart Energy Management in Remote Northern Peripheral and Arctic Regions which aims to increase the use of energy efficiency and renewable energy solutions in housing and public infrastructure in remote, sparsely populated areas. This innovative project is unique in that it takes a "whole community" approach to reducing energy usage.

2.2 Council is committed to reducing carbon emissions and energy consumption within their building infrastructure. The council is one of six project partners working on the SMARCTIC Project.

2.3 Each partner is required to design and implement a pilot project unique to their area which will meet the aims and objectives of the SMARCTIC Project.

2.4 Following discussions with the Lead and other project partners, it was decided to tender for technical research project to support the intelligent energy management development by facilitating a pilot project which will lead to the production of a council virtual power plant / smart grid to display relevant energy data in a dashboard format.

2.5 The project shall tailor the research and development pilot in such a manner as to fit the specific requirements of the council, taking into account the complexity of the council building stock, renewable energy currently generated, additional renewable virtual simulations, potential excess power supplied to recipient buildings, the facilitation of virtual energy storage and EV charging constraints.
3 Key Issues

3.1 A tender procurement exercise was undertaken in respect of this service in full compliance with Councils procurement processes.

3.2 The tender exercise was by public advert published in February 2021 with a return date of 12th March 2021.

3.3 Five tender responses were received as follows:

Everun Ltd trading as Izon Ltd

Wiser Lab in association with Letterkenny Institute of Technology

Power Management IT

Power Generation Ltd

Wattics Ltd

3.4 Tenders were evaluated in accordance with the Evaluation Methodology detailed in the Invitation to Tender issued by Derry City & Strabane District Council.

3.5 Two tenderers, Wiser Lab and Wattics Ltd were eliminated at Stage 1 as they failed to meet the minimum Technical Capacity and Experience criteria.

3.6 The remaining three tenderers progressed to Stage 2 and were evaluated on a 60% cost and a 40% quality criteria with the following results:

<table>
<thead>
<tr>
<th>Potential Provider</th>
<th>Cost Score</th>
<th>Quality Score</th>
<th>Total Score</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Izon Ltd</td>
<td>60.00%</td>
<td>32.00%</td>
<td>92.00%</td>
<td>1</td>
</tr>
<tr>
<td>Power Management IT</td>
<td>36.00%</td>
<td>40.37%</td>
<td>76.37%</td>
<td>2</td>
</tr>
<tr>
<td>Power Generation Ltd</td>
<td>36.49%</td>
<td>30.00%</td>
<td>66.49%</td>
<td>3</td>
</tr>
</tbody>
</table>

Full details of the tender exercise are included in the Tender Report attached as Appendix 1, Supply of a Research and Development Pilot Project for the Implementation of a Virtual Power Plant T ENV21-012

4 Financial, Equality, Legal, HR, Improvement, Rural Needs and Other Implications
4.1 Budget provision has been made for this pilot project through the EU funded
SMARCTIC, Smart Energy Management in Remote Northern Peripheral and Arctic
Regions Project.

5 Recommendations

5.1 Members are asked to approve engaging Izon Ltd for the Supply of a Research and
Development Pilot Project for the Implementation of a Virtual Power Plant at the
tendered fee of £37,522.00 excluding VAT.

Background Papers

Appendix 1. Tender Report: Supply of a Research and Development Pilot Project for
the Implementation of a Virtual Power Plant T ENV21-012