

**United Kingdom-Inverness: Fuel cells**  
**OJ S 66/2016 05/04/2016**  
**Contract award notice**  
**Supplies**

**Directive 2004/18/EC**

**Section I: Contracting authority**

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**I.1. Name and addresses**

Official name: Community Energy Scotland

Postal address: Highlands and Islands Social Enterprise Zone, 67a Castle Street

Town: Inverness

Postal code: IV2 3DU

Country: United Kingdom

Contact person: Procurement

For the attention of: Kirsten Macdonald

E-mail: [kirsten.macdonald@communityenergyscotland.org.uk](mailto:kirsten.macdonald@communityenergyscotland.org.uk)

Telephone: +44 1463417104

**Internet address(es):**

General address of the contracting authority: <http://www.communityenergyscotland.org.uk/>

Address of the buyer profile: [http://www.publiccontractsscotland.gov.uk/search/Search\\_AuthProfile.aspx?ID=AA11902](http://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA11902)

**I.2. Type of the contracting authority**

Other: charitable company

**I.3. Main activity**

Other: renewable energy; community development

**I.4. Contract award on behalf of other contracting authorities**

The contracting authority is purchasing on behalf of other contracting authorities: no

**Section II: Object of the contract**

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**II.1. Description**

**II.1.1. Title**

Provision, Installation and Maintenance of a Marinised Hydrogen Fuel Cell.

**II.1.2. Type of contract and place of performance or delivery**

Supplies

Purchase

Main site or place of performance: Kirkwall, Scotland, UK.

NUTS code UKM65 Orkney Islands

**II.1.3. Information about a framework agreement or a dynamic purchasing system (DPS)**

**II.1.4. Short description of the contract or purchase(s)**

Community Energy Scotland is seeking tenders for the provision of a fuel cell system to efficiently convert hydrogen into heat and power for Kirkwall Harbour (Orkney, UK) and to act as a demonstration device to aid the training of crews for hydrogen vessels.

The fuel cell will be located within a working harbour owned by Orkney Islands Council. The pier is in the heart of Kirkwall with easy access for delivery and maintenance. The 75kWe fuel cell and its container will be designed to replicate a marine installation and allow training of seafarers to Maritime and Coastguard Agency standards. Operations, maintenance checks, safety and emergency procedures relevant to the use of hydrogen and fuel cells at sea will be reproducible in the training installation.

Full details of the capability of the fuel cell and associated installations are given in the Statement of Requirement.

In summary:

- The equipment must be suitably weatherproofed for the location and compliant with all appropriate regulations for electrical supply, pressurised gas, flammable lighter than air gas.
- The system is required to meet performance criteria including output level, start-up and output adjustment times, electrical efficiency, operational lifespan.
- Control systems are needed to ensure safe operation and separately to continuously evaluate and provide the appropriate electrical power output level.
- A warranty period is expected as well as an indication of the remote and on-site breakdown response that the supplier is able to provide.
- The tender must include cost for initial training provision to the project team, including documentation and an operations manual.

#### **II.1.5. CPV code(s)**

31122100 Fuel cells, 71323100 Electrical power systems design services, 31200000 Electricity distribution and control apparatus, 45244100 Marine installations, 24111600 Hydrogen

#### **II.1.6. Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: yes

### **II.2. Total value of the contract/lot**

#### **II.2.1. Total value of the contract/lot**

Value: 471 050 GBP  
excluding VAT

## **Section IV: Procedure**

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### **IV.1. Type of procedure**

#### **IV.1.1. Type of procedure**

Open

### **IV.2. Award criteria**

#### **IV.2.1. Award criteria**

The most economically advantageous tender in terms of

1. Fuel cell delivery. Weighting 20
2. Grid connection of the fuel cell. Weighting 15
3. Control system. Weighting 10
4. External monitoring and logging. Weighting 10
5. Hydrogen control. Weighting 5
6. Container. Weighting 10
7. Delivery and commissioning. Weighting 10

- 8. Training contract. Weighting 5
- 9. Warranty and maintenance. Weighting 15

#### **IV.2.2. Information about electronic auction**

#### **IV.3. Administrative information**

##### **IV.3.1. File reference number attributed by the contracting authority**

SnT151006

##### **IV.3.2. Previous publication concerning this procedure**

###### **Contract notice**

Notice number in the OJ S: [2015/S 195-353262](#) of 8.10.2015

#### **Section V: Award of contract**

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Lot title: Onshore Marinised Hydrogen Fuel Cell

##### **V.1. Date of conclusion of the contract**

30.3.2016

##### **V.2. Information about tenders**

Number of tenders received: 4

##### **V.3. Name and address of the contractor**

Official name: Arcola Energy

Postal address: 24 Ashwin Street

Town: London

Postal code: E8 3DL

Country: United Kingdom

##### **V.4. Information on value of the contract/lot**

##### **V.5. Information about subcontracting**

The contract is likely to be subcontracted: yes

Value or proportion likely to be subcontracted to third parties:

Proportion: 86 %

Short description of the value/proportion of the contract to be sub-contracted: Manufacture of Fuel Cell.

#### **Section VI: Complementary information**

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##### **VI.1. Information about European Union funds**

##### **VI.2. Additional information**

(SC Ref:439383).

##### **VI.3. Procedures for review**

###### **VI.3.1. Review body**

###### **VI.3.2. Review procedure**

###### **VI.3.3. Service from which information about the review procedure may be obtained**

###### **VI.4.**

**Date of dispatch of this notice**

1.4.2016