Notes on Completion: Please refer to the appropriate NIA Governance Document to assist in the completion of this form. The full completed submission should not exceed 6 pages in total.

# **NIA Project Registration and PEA Document**

| Date of Submission                        | Project Reference Number |
|---|--------------------------|
| Apr 2013                                  |                          |
| Project Registration                      |                          |
| Project Title                             |                          |
| Electricity Supply Fault Level Instrument |                          |
| Project Reference Number                  | Project Licensee(s)      |
|   | Electricity North West   |
| Project Start                             | Project Duration         |
| April 2005                                | 2 years and 0 months     |
| Nominated Project Contact(s)              | Project Budget           |
| Electricity North West Innovation Team    | £10,000.00               |
| Summary                                   |                          |
|   |                          |
| Nominated Contact Email Address(es)       |                          |
| innovation@enwl.co.uk                     |                          |

## **Problem Being Solved**

Method(s)

Scope

## Objective(s)

This project was co-ordinated by the ENA and aimed to develop an on-line instrument that can successfully measure/estimate the fault level on a distribution network with repeatability and reliability. The instrument is to be based on the EA Technology Extended Supply Monitor.

# Consumer Vulnerability Impact Assessment (RIIO-2 Projects Only)

n/a

## **Success Criteria**

# Potential for New Learning n/a Scale of Project n/a Geographical Area Revenue Allowed for the RIIO Settlement

**Indicative Total NIA Project Expenditure** 

**Project Partners and External Funding** 

n/a

# **Project Eligibility Assessment Part 1**

There are slightly differing requirements for RIIO-1 and RIIO-2 NIA projects. This is noted in each case, with the requirement numbers listed for both where they differ (shown as RIIO-2 / RIIO-1).

## Requirement 1

Facilitate the energy system transition and/or benefit consumers in vulnerable situations (Please complete sections 3.1.1 and 3.1.2 for RIIO-2 projects only)

Please answer at least one of the following:

How the Project has the potential to facilitate the energy system transition:

n/a

How the Project has potential to benefit consumer in vulnerable situations:

n/a

## Requirement 2 / 2b

Has the potential to deliver net benefits to consumers

Project must have the potential to deliver a Solution that delivers a net benefit to consumers of the Gas Transporter and/or Electricity Transmission or Electricity Distribution licensee, as the context requires. This could include delivering a Solution at a lower cost than the most efficient Method currently in use on the GB Gas Transportation System, the Gas Transporter's and/or Electricity Transmission or Electricity Distribution licensee's network, or wider benefits, such as social or environmental.

Please provide an estimate of the saving if the Problem is solved (RIIO-1 projects only)

n/a

Please provide a calculation of the expected benefits the Solution

n/a

Please provide an estimate of how replicable the Method is across GB

n/a

Please provide an outline of the costs of rolling out the Method across GB.

n/a

### Requirement 3 / 1

Involve Research, Development or Demonstration

A RIIO-1 NIA Project must have the potential to have a Direct Impact on a Network Licensee's network or the operations of the System Operator and involve the Research, Development, or Demonstration of at least one of the following (please tick which applies):

| Operator and involve the Research, Development, or Demonstration of at least one of the following (please tick which applies):   |
|--|
| ☐ A specific piece of new (i.e. unproven in GB, or where a method has been trialled outside GB the Network Licensee must justif repeating it as part of a project) equipment (including control and communications system software). |
| ☐ A specific novel arrangement or application of existing licensee equipment (including control and/or communications systems and/or software)   |
| ☐ A specific novel operational practice directly related to the operation of the Network Licensees system  |
| ☐ A specific novel commercial arrangement  |
| RIIO-2 Projects  |
| ☐ A specific piece of new equipment (including monitoring, control and communications systems and software)  |

☐ A specific piece of new technology (including analysis and modelling systems or software), in relation to which the Method is

| unproven  |
|---|
| $\Box$ A new methodology (including the identification of specific new procedures or techniques used to identify, select, process, and analyse information)                                   |
| ☐ A specific novel arrangement or application of existing gas transportation, electricity transmission or electricity distribution equipment, technology or methodology                       |
| $\square$ A specific novel operational practice directly related to the operation of the GB Gas Transportation System, electricity transmission or electricity distribution                   |
| ☐ A specific novel commercial arrangement   |
| Specific Requirements 4 / 2a  |
| Please explain how the learning that will be generated could be used by the relevant Network Licensees n/a  |
| Or, please describe what specific challenge identified in the Network Licensee's innovation strategy that is being addressed by the project (RIIO-1 only)                                     |
| ☐ Has the Potential to Develop Learning That Can be Applied by all Relevant Network Licensees   |
| Is the default IPR position being applied?  ☐ Yes   |
| Please demonstrate how the learning from the project can be successfully disseminated to Network Licensees and other interested parties.  |
| Please describe how many potential constraints or costs caused, or resulting from the imposed IPR arrangements.<  |
| Please justify why the proposed IPR arrangements provide value for money for customers.   |
| Project Eligibility Assessment Part 2   |
| Not lead to unnecessary duplication   |
| A Project must not lead to unnecessary duplication of any other Project, including but not limited to IFI, LCNF, NIA, NIC or SIF projects already registered, being carried out or completed. |
| Please demonstrate below that no unnecessary duplication will occur as a result of the Project.   |
| If applicable, justify why you are undertaking a Project similar to those being carried out by any other Network Licensees.   |
| n/a   |
| Additional Governance And Document Upload   |
| Please identify why the project is innovative and has not been tried before n/a   |
| Relevant Foreground IPR   |
| n/a   |

n/a

**Data Access Details** 

Please identify why the Network Licensees will not fund the project as apart of it's business and usual activities

n/a

Please identify why the project can only be undertaken with the support of the NIA, including reference to the specific risks(e.g. commercial, technical, operational or regulatory) associated with the project

n/a

This project has been approved by a senior member of staff

✓ Yes