

Appendix Two: H2 Twin Cities Partnership – Kobe and Aberdeen

Project Narrative

H2 Twin Cities is an initiative under the US Government Clean Energy Ministerial (CEM) with support from multiple CEM country members (including the UK) where two or more cities can apply to receive support to share ideas, mentor and learn from each other.

It is anticipated that cities will partner for a minimum of five years.

The cities of Kobe (Japan) and Aberdeen (United Kingdom) who are both at the forefront of Hydrogen deployment have come together to accelerate and enhance their transition into a Hydrogen based society and are now planning to apply for project funding under “sibling cities” category.

As part of the project the cities will share and develop best practices and lessons learned between each other, as well as showcase to other regions through the H2 Twin Cities platform, in order to further accelerate progress.

This project between Kobe and Aberdeen arises from a long-standing relationship between the two cities beginning with a letter of intent in 2018 and culminating in a memorandum of understanding signed recently. It is intended to share experiences in global partnerships and facilitate learning between the two cities and locally relevant organisations.

The key deliverables of this project are as follows:

- Share and develop best practices and lessons learnt to showcase Hydrogen journey which includes Fuel Cell Vehicles (FCVs), buses, waste trucks and port cargo handling machinery
- Exchange of information on the use of renewables and hydrogen energy in decarbonising ports
- Exchange of information for providing power and heat using hydrogen co-generation systems and hydrogen boilers. Undertake joint feasibility study for utilising hydrogen within the residential areas including the viability of liquefied hydrogen
- Facilitate personnel exchanges between the Liquefied Hydrogen Research Center, being developed by the Kobe City Government, and Aberdeen’s Net Zero Technology Centre for the purpose of joint collaborations
- Facilitate personnel exchange and joint research between the universities in both cities (e.g. Kobe University, Robert Gordon University and University of Aberdeen) to encourage more learning and globally recognised and industry approved courses in Renewables Energy
- Provide a platform for relevant stakeholders and businesses to engage in discussion in forming and developing a supply chain