

Luxembourg, 23rd May 2024

Environmental and Social Completion Sheet (ESCS)¹

Overview

Project Name:	IBERDROLA GREEN HYDROGEN
Project Number:	2021-0187
Country:	Spain
Project Description:	Implementation and operation of a medium-scale photovoltaic plant (nominal capacity 100 MWp) incl. a battery storage system (storage capacity 20 MWh, power 5 MW), directly connected to a large-scale electrolyser (20 MW) for hydrogen production, using partially the renewable (PV) energy capacity (35 MW). The hydrogen will be supplied to the fertiliser industry, situated nearby the PV plant, replacing hydrogen from natural gas. The project is located in Spain, Ciudad Real (Castilla-La Mancha, less developed region).

Summary of Environmental and Social Assessment at Completion

EIB notes the following Environmental and Social performance and key outcomes at Project Completion.

The project entailed the development, implementation and operation of a large-scale photovoltaic (PV) plant with a total nominal capacity of 100 MWp (peak), combined with a battery storage system with a nominal storage capacity of 20 MWh and a nominal power of 5 MW. These are partially used to supply electricity to the third project component, a large-scale “green” hydrogen electrolyser (20 MW). A new transmission line with a capacity of 35 MW connects the electrolyser directly to the PV plant. Further, the PV plant is connected via a new underground cable to a new MV/HV substation (30 kV/220 kV) located close to the project site.

The project was implemented as outlined in the Technical Description.

No environmentally adverse incidents were reported.

Summary opinion of Environmental and Social aspects at completion:

EIB is of the opinion based on reporting from the promoter, that the project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.

¹ The template is for ILs and FLs