

# Summary of activities carried out by Diputación de Huelva for the implementation of a bundled EPC contract

## STEPPING Project

One of the purposes to be carried out by Diputación de Huelva in the framework of STEPPING project is the conclusion of a bundled EPC contract in some municipal buildings in the province of Huelva (10 at least).

With this objective, on October 17, 2017, a meeting was convened, attended by: Laura Martín, (Deputy of Infrastructure, Environment and Planning Area), Francisco Camacho (Head of Investment Management Department) and Francisco Pinto (Head of Environment and Energy Department). The main agreements established in the meeting are: the bundled contract should be the most homogeneous as possible, trying not to generate big differences among municipalities, nor in the typology of investment, nor in amortization periods, and overall, the activity have to be implemented in buildings of municipal ownership (see Annex I: Informe de reunión interna 17.10.17).

A total of 44 educational buildings were pre-selected in the province, which are analyzed following their energy consumption ratios.

On February 21, 2018 politicians and financial responsible of the buildings were convened (Secretary and Intervention Departments). Representatives of 19 municipalities participated in the event where a first draw of the Agreement is delivered (see Annex II: Invitación a sesión informativa STEPPING 21.02.2018) .

After this informative event, 11 municipalities with 15 educational buildings in total, are energetically audited (see Annex III: Informe de selección de edificios), being the results of the energy audits delivered on February 2019 (see Deliverable D.3.5-12)

On October 1, 2018, an internal document with the main points is presented in order to implement the bundled EPC in the framework of STEPPING project (Annex IV: Propuesta Técnica EPC STEPPING). This document, together with the schedule of activities (Annex V: Cronograma de trabajo), constitute the guideline and the breakdown of activities for the conclusion of the EPC contract.

On October 23, 2018 another internal meeting attended by Intervention Department (Miguel Santana), Secretary (José Luis Sánchez), Hiring Department (Angustias Villaseñor) and some representatives of the Environment and Energy Department, took place in order to decide the main steps for the EPC implementation once the energy audit results will be received (Annex VI: correo interno de invitación a la reunión del Jefe de Servicio de Medio Ambiente -Francisco J. Pinto). In this meeting, as it is explained in the attached mail in Annex, the revision of the Technical Conditions Document of the EPC contract (ver Anexo VII: Borrador PCT Contrato EPC STEPPING) was addressed, at the same time that the Agreement model for the municipalities involved (see Annex VIII: Informe

interno solicitando autorización para la firma de convenio, Annex IX: Autorización interna para la firma del convenio and Annex X: Borrador de convenio).

Additionally, on October 24, 2018, a draft of the Technical Conditions Document of the EPC contract was internally forwarded (Annex XI: Correo interno remitiendo PCT) and on November 13, 2018, took place a meeting attended by Environment Department of DPH and the Energy Agency of Huelva to discuss about this document (Annex XII: Convocatoria de reunión para PCT). Finally, and due to the delay of the energy audit reports, whose data are essential to advance in the redaction of the Technical Conditions Document, a new meeting is proposed for the third week of December 2018 (Annex XIII: Reunión de coordinación PCT). It should be noted that the delivery of the energy audit reports suffered a 2 months delay from the expected initial date. For this reason, the activities schedule was modified and adapted (see Annex XIV: cronograma modificado).

Once the 15 energy audit reports were obtained (February 2019), the results were analyzed in order to check the viability level of the investment (Annex XV: Resumen resultados auditorías energéticas, marzo 2019). The total amount of the investment is 343.908 €, with a payback around 9/10. According to the results and together with municipalities involved, it is determined that the bundled EPC contract is not economically viable for the selected schools (Annex XVI: Informe conclusiones contrato EPC STEPPING).

In order to continue working on the way of reducing greenhouse gases, reducing the energy invoice and increasing the use of renewable energy in the municipalities of the province, it is agreed to put into practice the main conclusions that can be drawn from all the works carried out, which we can summarize in:

- Feasibility of photovoltaic panels installation.
- Replacement of conventional luminaries by LED technology.
- Positive effects of Royal Decree 244/2019, of April 15, which regulates the administrative, technical and economic conditions of self-consumption of electricity in Spain.

Based on the aforementioned, DPH is still working in different lines with the municipalities involved in STEPPING project:

- a) Management of a subsidy from the Andalusian Energy Agency that co-finances the installation of solar panels linked to sustainable mobility infrastructures (4 municipalities are interested in this line).
- b) Rental of roofs of public buildings for installation of solar panels installation (5 municipalities interested in this option).
- c) Replacement of conventional lighting by LED technology using municipality's own economic resources (the investment is not really high). This option is considered the most feasible.