Coordinator		Horizon 2020 Energy Efficiency Call 2014 (Deadline 5 June 2014) Supported projects - Reserve List						
Organisation	**Country**	**Topic**	**Type of Action**	**Acronym**	**Title**	**Duration (months)**	**EU Contribution**	**Short description**
Fundación Tecnalia Research & Innovation	Spain	EE-01-2014	IA	BERTIM	Building energy renovation through timber prefabricated modules	48	€ 4,148,435	The project aims to develop pre-fabricated timber modules to be used on the energy refurbishment of buildings. The modules will include insulation, HVAC services and renewable generation. The innovation aspect of the action is concentrated on the fabrication process, the integration of the different products and the installation on-site. An added value is the use of environmentally friendly materials (e.g. timber). The project includes demonstration activities on 3 sites.
Integrated Environmental Solutions (IES)	United Kingdom	EE-01-2014	IA	IMPRESS	New Easy to Install and Manufacture PRE-Fabricated Modules Supported by a BIM based Integrated Design ProceSS	42	€ 4,583,778	IMPRESS aims at developing three different prefabricated panels for buildings. Innovative nano/micro particle based coatings, suitable for 3D printing, will be also studied to achieve anti-corrosion resistance, high mechanical strength, improved solar reflectance, improved ageing resistance and anti-vandalism properties. To create the panels, an innovative manufacturing process will be proposed. The overall manufacturing process will (i) allow for mass production of panels, which take into account complex architectural and aesthetic issues, (ii) allow for faster production while lowering prefabrication costs and (iii) develop new controlled and cost effective solutions. The final results will be demonstrated on two existing buildings where final as-built product performance will be validated against the initial design.
Foundation Center for Energy Efficiency EnEffect	Bulgaria	EE-04-2014	CSA	Train-to-NZEB	Train-to-NZEB: The Building Knowledge Hubs	36	€ 1,426,334	Train-to-NZEB aims at establishing a network of training and consultation centres that provide practical advice on the execution of nearly zero energy buildings, reaching workers not covered by the BUILD UP Skills initiative. The action is designed to establish a functioning network of training and consultation centres (Building Knowledge Hubs, BKHs), providing practical trainings, demonstrations and complex consulting services for the implementation of nearly-zero energy buildings (NZEB). Using the improved training facilities, the BKHs will provide enhanced capacity for conduction of trainings on curricula developed under the BUILD UP Skills initiative, thus reaching a significant number of workers not covered by the initiative. Additionally, BKHs will offer trainings for highly-qualified building professionals and demonstrations for non-specialists with decision-making authority, which, combined with administrative and financial consultancy service, will result in increased capacity for implementation of NZEB projects in the involved countries.
Fundación Tecnalia Research & Innovation	Spain	EE-07-2014	CSA	FosterREG	Fostering public capacity to plan, finance and manage integrated urban REGeneration for sustainable energy uptake	24	€ 1,401,921	FosterREG aims to enhance public capacity at local, regional and national level (focusing on Spain, the Netherlands and Croatia) to plan, finance and manage integrated urban regeneration for sustainable energy uptake. It aims to do this through capacity building, as well as promotion and articulation of effective multilevel coordination. Through improved plans, influenced public officers and mobilization of investments, about 2,400 GWh/year primary energy savings and 520 GWh/year renewable energy production is expected within the project duration.
ALESSCO (Agenzia locale per l'energia e lo sviluppo sostenibile della Provincia di Cosenza)	Italy	EE-08-2014	CSA	GreenS	GreenS – Green public procurement supporters for innovative and sustainable institutional change	36	€ 1,489,540	GreenS aims at strengthening the capacity of public authorities to successfully apply green public procurement to purchase energy-related goods and services. Green Public Procurement Supporters/Supporting Units will be established within the Energy Agencies of 7 of the participating countries. Each Energy Agency will select two staff members to become experts on the topic. The project will assist them in their role and will develop tools and actions, set up and finance training programmes with the aim to institutionalise -in the long term- training on the topic, and test its application. The project addresses the obstacles to the uptake of Green Public Procurement that have been identified by the partners in their respective country. Existing good and bad practice will be analysed. 21 Pilot Green Public Procurement projects will be implemented by public authorities to test, in the field, the technical support provided by the Energy Agencies.

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Universidad de Murcia	Spain	EE-11-2014	RIA	ENTROPY	Design of an innovative energy-aware IT ecosystem for motivating behavioural changes towards the adoption of energy efficient lifestyles	36	€ 1,997,593	ENTROPY focuses on the development of solutions targeted at reducing the energy consumption in buildings based on the adoption of energy efficient techniques and the active engagement of citizens. The project addresses this challenge by building upon the integration of technologies that facilitate the deployment of innovative energy aware IT ecosystems for motivating end-users' behavioural changes and namely: (1) the Internet of Things that provides the capacity for interconnecting numerous devices and applying energy-efficient communication protocols, (2) the evolvement of advanced Data Modelling and Analysis techniques that support the realization of semantic models and knowledge extraction mechanisms and (3) the Recommendation and Gamification areas that can trigger interaction with relevant users in social networks, increase end users' awareness with regards to ways to achieve energy savings in their daily activities and adopt energy efficient lifestyles. The solutions will be validated in 3 pilot sites (technology park, social housing buildings and university buildings) in Italy, Spain and Switzerland.
National and Kapodistrian University of Athens	Greece	EE-12-2014	RIA	HERON	Forward-looking socio-economic research on Energy Efficiency in EU countries.	26	€ 958,750	The project aims at monitoring energy efficiency policies in building and transport sectors through forward-looking socio-economic research in seven EU Member States and one candidate country (Serbia). It will map the available policies, technologies and barriers and will then use the LEAP model (Long-range Energy Alternatives Planning system) to develop scenarios focusing on macroeconomic and microeconomic impacts of energy efficiency policy options in the transport and buildings sector and build pathways to 2030 and beyond. The results will be discussed within a stakeholder feedback process and policy recommendations will be developed.
Accademia Europea Bolzano (EURAC)	Italy	EE-13-2014	RIA	FLEXYNETS	Fifth generation, Low temperature, high EXergY district heating and cooling NETworkS	36	€ 1,999,364	FLEXYNETS aims at developing, demonstrating and deploying a new generation of intelligent district heating and cooling networks that reduce energy transportation losses by working at neutral temperature levels. Reversible heat pumps and chillers will be used to exchange heat with the DHC network on the demand side. FLEXYNETS solutions will integrate effectively multiple generation sources (including high- and low-temperature solar thermal, biomass, PV, cogeneration and waste heat) where they are available along the DHC network, by managing energy at different temperature levels and assuring optimized exergy exploitation. Strategies that assure a thermal balance among diffused heat generation, storage and utilization will be assessed. Furthermore, policies to decide when energy is to be gathered locally or exchanged (both purchased and sold) with the electricity and gas networks will be elaborated.