

# EMPOWER

Energy Poverty Good Practice

## *Build Upon<sup>2</sup> Energy Renovation Framework*

Name of Organisation – Cork City Council  
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On line Peer Review

# Good Practice Description

- Build Upon<sup>2</sup> is an **Energy Renovation framework** to support municipalities in using the 13 core indicators to assess the environmental, social and economic impact.
- The objective of the Framework is to **track and monitor holistically the impact of energy renovation at municipality level** and to better link local and national initiatives. This in turn should support greater citizen engagement and better policymaking while driving investment.
- **Can be used for all buildings types** but it is recommended that each municipality commences with their public buildings and/or social housing units. Cork City Council is a follower city and currently trialling this framework.

ENVIRONMENTAL	INDICATOR	METRIC	LEVEL	
			PROJECT	CITY
Env. 1	Energy Renovation Rate	%	✓	✓
Env. 2	CO2 emissions	Ton CO2/yr	✓	✓
Env. 3	Energy Consumption	kWh/yr	✓	✓
Env. 4	Renewable Energy Production	kWh/yr	✓	✓

SOCIAL HEALTH & WELLBEING	INDICATOR	METRIC	LEVEL	
			PROJECT	CITY
Soc. 1	Energy Poverty	% of households	✓	✓
Soc. 2	Indoor Air Quality	# of residential units or non-residential floor area	✓	✓
Soc. 3	Winter Thermal Comfort		✓	✓
Soc. 4	Summer Thermal Comfort		✓	✓

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More carbon reduction by dynamically monitoring energy efficiency

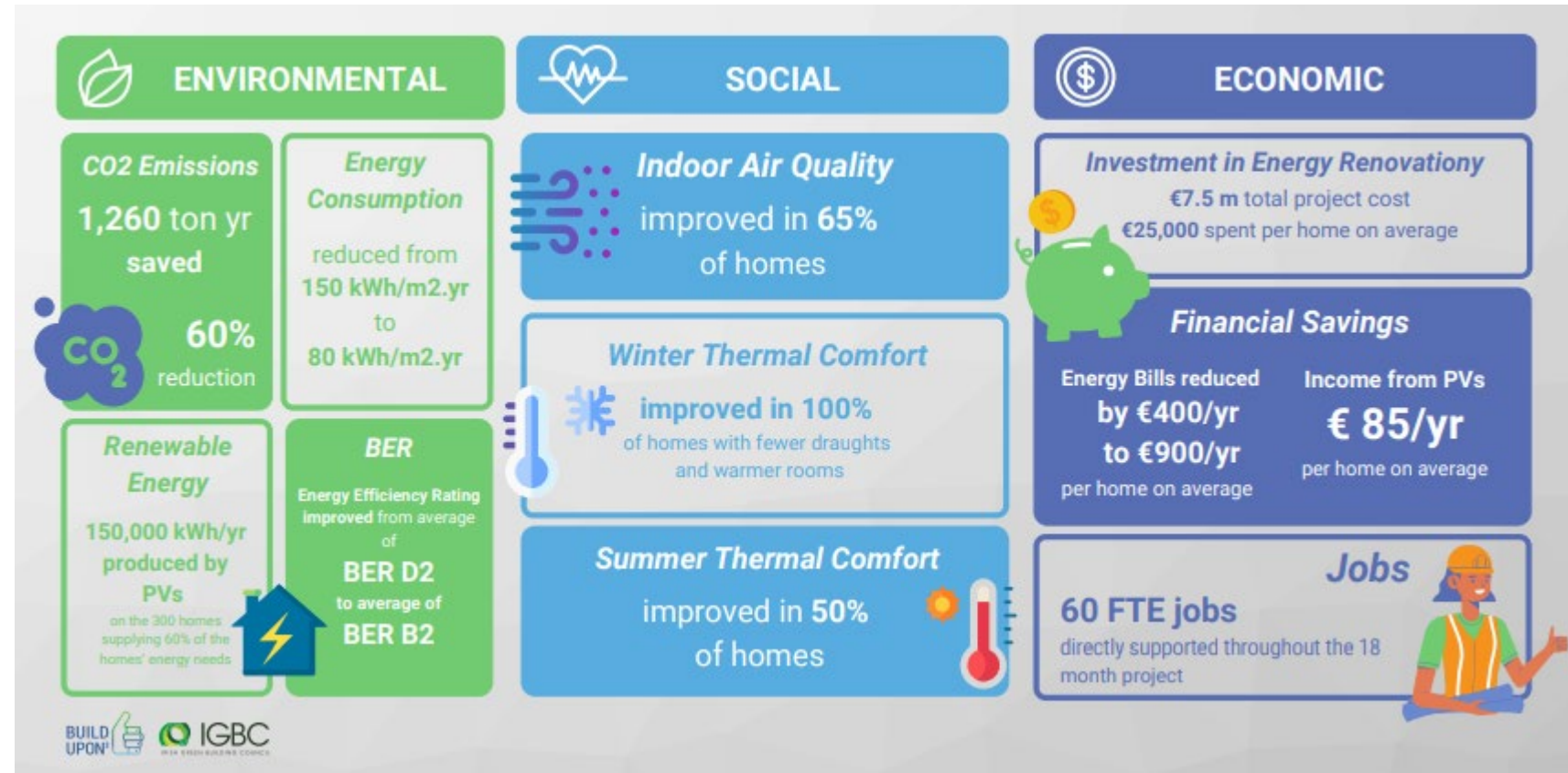
ECONOMIC	INDICATOR	METRIC	LEVEL	
			PROJECT	CITY
Eco. 1	Investment in energy renovation	€	✓	✓
Eco. 2	Energy efficiency of investment	kWh/€	✓	✓
Eco. 3	Jobs in energy renovation	#FTE	✓	✓
Eco. 4	Upskilling in energy renovation	# Building professionals / construction workers	✓	✓
Eco. 4	Financial savings from energy renovation	€	✓	✓

# Benefits of Good Practice

- Deep building renovation has far-reaching **benefits for society** as increasing indoor comfort and air quality avoids illnesses and premature deaths associated with living in cold and damp homes. This in turn reduces pressure on healthcare and social services
- BUILD UPON<sup>2</sup> will **strengthen the local effectiveness and implementation** of the national building renovation strategies required by the EU Energy Performance of Buildings Directive (EPBD).



## BUILD UPON<sup>2</sup> Sample Summary Report



# How transferable/replicable is the Good Practice

- Methodologies have already been developed at **national level** in Croatia, Hungary, **Ireland**, Italy, Poland, Spain, Turkey and the United Kingdom so this could be replicated in other EU regions.
- It has been trialled by over **30 cities** across Europe to date including 5 Local Authorities in Ireland – Cork, Dublin, Kilkenny, Laois & Offaly.

**EMPOWER Partner Cities**  
already trialling this Good Practice include:

## **Poland**

Rybnik, Ruda Slaska, Gliwice

## **Italy**

Padova, Brescia, Pesaro, Rome

## **Spain**

Valladolid, Zaragoza, Madrid, Sestao



# Thank You – Any Questions

**On line Peer Review**

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## TEMPLATE

<b>GOOD PRACTICE</b> <i>Please provide a title</i>	Build Upon 2 - DHLGH Reporting system on energy efficiency improvements in social housing units		
<b>Field:</b> <i>please tick those that is relevant</i>			
1 Energy monitoring	<input type="checkbox"/>	2 Energy Poverty	3 Both
<b>Location</b>	Name the city, region, state. Cork City, Ireland		
	Name type of the building (school, library, etc.) or type of energy poverty intervention (identification, reduction or behavioural change). Social Housing Units		
<b>Good practices categories:</b> <i>please tick those that are relevant</i>			
1 Good measurement devices (hardware)	<input checked="" type="checkbox"/>	5 Good data (energy and/or energy poverty and/or energy consumption) collection or identification system	<input checked="" type="checkbox"/>
2 Good software and smart software	<input checked="" type="checkbox"/>	6 Good energy and/or energy poverty indicators and/or ergonomics	<input checked="" type="checkbox"/>
3 Good behavioural change initiative	<input type="checkbox"/>	7 Good data analysing system	<input checked="" type="checkbox"/>
4 Good organisation and management	<input checked="" type="checkbox"/>	8 Good use of data	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	9 Good replication and easily transferred to other regions	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	10 Good results to date	<input type="checkbox"/>
<b>Short description</b> <i>Please describe the main components or parts of the practice. Please describe your good practice in a way that other partners will be able to understand your good practice. Please provide a link to the good practice website if available</i>	<p>The data collection system aims to monitor progress by Irelands social housing units towards achieving the cost optimal energy performance required under Irelands climate action plan. There are three sets of indicators as defined by the Horizon 2020 Build Upon 2 project in which Cork City Council is a follower city:</p> <p>Economic Social Environmental</p>		
<b>Picture or Website link</b> <i>if applicable</i>	See attached spreadsheet.		