Supplementary Materials:

Table S1. Search string for the first phase of the research.

Keywords	Google Scholar	Web of Science	SCOPUS
"community energy" OR "community energy scheme" AND "Europe"	8735	921	2729
"community energy" OR "community energy scheme" AND "energy poverty"	2650	921	573
"community energy" OR "community energy scheme" AND "Europe" AND "energy poverty"	1850	735	335
Duplicate remove and limit to subject area = 1115			

Table S2. Codes and subcodes in NVivo.

Codes	Sub-Codes
Barriers to community energy projects in decreasing energy poverty	- Geography and climate - Financial issues - Lack of knowledge - Lack of policy support - Legal framework - Local social culture - Technical issues
Drivers to community energy projects in decreasing energy poverty	- Community involvement - Education and knowledge of energy - Financial viability - Geography and environment - Policy support - Prosocial attitudes and pro-environmental behaviours - Technical feasibility - Expertise and human resources
Case study	Cases should be in Europe
Year of publication	- 2019 - 2020 - 2021 - 2022 - 2023 - February 2024
Degree of involvement of actors	- Citizens and local communities - Supporting partners (e.g., local authorities, private sectors)

Methodology	- Mixed methods - Systematic literature review - Qualitative methods - Quantitative methods
The outcome of community energy projects	- Financial aspects - Innovation and learning - Social impacts (e.g., community empowerment) - Environmental impact
Variables affecting energy poverty in community energy projects	- Demographic and geographic factors - Energy costs - Energy technologies - Knowledge - Income - Public policies - Not specified
Variables for evaluating vulnerable groups in community energy projects	- Age - Disability - Education - Ethnicity - Gender - Low-income families - Not specified

Table S3: The list of papers for systematic review.

Publication	Year	Google Scholar	Web of Science	SCOPUS
[158]	2023	*		
[138]	2024	*		*
[75]	2023	*	*	*
[89]	2023	*		*
[76]	2019	*		
[121]	2023	*	*	*
[166]	2021	*	*	*
[133]	2022	*	*	*
[132]	2020	*		*
[3]	2021	*	*	*
[47]	2022	*		
[36]	2019	*	*	*
[82]	2021	*	*	*
[45]	2021	*	*	*
[124]	2021	*		*
[101]	2020	*	*	*
[78]	2020	*	*	*
[20]	2020	*		
[104]	2020	*		
[62]	2020	*	*	*
[30]	2022	*		*
[53]	2022	*	*	*
[70]	2022	*	*	*
[198]	2021	*		

[131]	2023	*	*	*
[128]	2020	*		
[137]	2020	*	*	*
[39]	2022	*		*
[51]	2021	*	*	*
[109]	2020	*		
[173]	2020	*		
[103]	2022	*		*
[188]	2024	*		*
[143]	2023	*		
[120]	2021	*	*	*
[149]	2022	*	*	*
[10]	2022	*	*	*
[165]	2021	*	*	*
[107]	2023	*	*	*
[94]	2022	*		
[81]	2021	*	*	*
[141]	2021	*		
[67]	2022	*	*	*
[52]	2023	*	*	*
[90]	2023	*		
[5]	2021	*		
[34]	2022	*	*	*
[77]	2021	*		
[127]	2021	*	*	*
[7]	2022	*	*	*
[35]	2023	*		*
[42]	2023	*	*	*
[29]	2021	*		
[93]	2020	*	*	*
[63]	2021	*	*	*
[130]	2020	*	*	*
[56]	2021	*		
[162]	2020	*		
[168]	2019	*		
[59]	2021	*	*	*
[80]	2020	*	*	*
[95]	2021	*		
[134]	2023	*		
[179]	2023	*	*	*
[118]	2022	*		
[135]	2022	*	*	*
[38]	2022	*	*	*
[191]	2019	*	*	*
[86]	2021	*		*
[96]	2023	*		
[170]	2022	*	*	*
[64]	2022	*		
[84]	2019	*		
[114]	2023	*	*	*
[164]	2019	*	*	*
[9]	2022	*	*	*

[15]	2022	*	*	*
[58]	2022	*		
[54]	2021	*		
[199]	2019	*		
[41]	2022	*		*
[32]	2021	*		
[187]	2023	*	*	*
[123]	2021	*	*	*
[163]	2021	*		*
[139]	2022	*		
[145]	2021	*	*	*
[200]	2019	*	*	*
[83]	2022	*		
[126]	2023	*	*	*
[33]	2023	*	*	*
[201]	2020	*		
[177]	2024	*		*
[151]	2022	*	*	*
[48]	2022	*		
[16]	2022	*	*	*
[2]	2022	*		
[66]	2022	*	*	*
[153]	2022	*		
[115]	2022	*		
[112]	2020	*		
[98]	2021	*		
[186]	2023	*		
[167]	2023	*		
[160]	2022	*	*	*
[100]	2022	*		
[87]	2020	*		
[154]	2021	*		*
[152]	2021	*	*	*
[108]	2019	*	*	*
[68]	2023	*	*	*
[202]	2020	*		
[106]	2019	*	*	*
[125]	2021	*	*	*
[161]	2023	*	*	*
[129]	2021	*		
[172]	2022	*	*	*
[159]	2020	*	*	*
[91]	2023	*	*	*
[69]	2023	*	*	*
[19]	2022	*	*	*
[122]	2019	*	*	*
[6]	2020	*		
[31]	2020	*		
[71]	2021	*	*	*
[118]	2022	*		
[40]	2022	*	*	*
[37]	2022	*	*	*

[1]	2022	*	*	*
[85]	2020	*	*	*
[102]	2022	*	*	*
[8]	2019	*		
[72]	2022	*		
[61]	2019	*		
[11]	2021	*		*
[46]	2022	*	*	*
[73]	2022	*		*
[110]	2022	*		
[203]	2019	*		
[60]	2022	*		
[97]	2021	*		
[193]	2023	*	*	*
[57]	2019	*		