

# RCEF Bridport Co-housing Feasibility Study

**Objective:** determine the feasibility of community funded solar PV on the 54 residential properties planned by Bridport Co-housing.



Initial solar design work considered 3 options:

1. Architects drawings – 156kW
2. Private roofs – 216kW
3. Communal Roofs – 241kW

Drawing to the left shows the communal roof option that would probably suit a funded solution best.

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Initial feasibility complete and detailed feasibility expected to complete by mid/late August. A version of the final report will be made publicly available.

Activities	July					August			
	2nd	9th	16th	23rd	30th	6th	13th	20th	27th
<b>Initial Microgrid feasibility study</b>									
<b>Share initial results with CLT/ DCE Board</b>	*								
<b>Detailed feasibility</b>									
Iterate technical design, capex and energy balances									
PV: review initial designs and develop detailed specification and costing									
Heating options: firm up specification for heating solution									
Energy demand assessment: review energy data									
Run detailed energy balance model/ consider options to screen									
Grid: Full grid design/ application costing request to WPD/ firm up									
Detailed review of supply models, governance and operations									
Iterate financial model and business case									
Legal process including Heads of Terms									
<b>Completion of detailed RCEF feasibility</b>					*			*	
<b>Community Engagement</b>									
Review of existing work and preparation of strategy									
Implementation of strategy including at least one engagement event	*		*						
<b>Project Management &amp; Report Writing</b>									
<b>Final review meeting of feasibility report prior to Wrap submission</b>								*	

# RCEF School Feasibility Study

**Objective:** Determine the feasibility of schools and other public buildings in Dorset in particular in light of the Low Carbon Dorset Grant and lower PV costs

Activities	July					August				September				Oct	Nov
	2nd	9th	16th	23rd	30th	6th	13th	20th	27th	3rd	10th	17th	24th		
<b>SCHOOLS PROGRAMME</b>															
Hear back about success of grant			*												
Project kick-off meeting with DCE Board				*											
<b>1st pass screening</b>															
Review of ~ 100 sites and recommendation on short list to develop further															
Review meeting with Board and agreement over which sites to progress.						*									
<b>Detailed feasibility</b>															
Initial Site Surveys for ~ 20 sites															
Technical, financial and legal assessment															
Review meeting to discuss 1st pass portfolio assessment											*				
Follow up site visits, iteration of site assessments, grid, planning, EPCs															
Portfolio of 10 suitable sites identified											*			*	
Refinement of portfolio financials, business planning, governance															
<b>Community Engagement</b>															
Review of existing work and preparation of strategy															
Implementation of strategy including at least one engagement event															
<b>Report Writing</b>															
Writing of the report as the project progresses															
Review meeting to discuss final portfolio and draft report															*
Final review meeting of feasibility report prior to Wrap submission															*