

## EID Barmwisch – Bramfeld: Action Plan

No.	Action	Activity	Goal, Objective (O), Measure (M)	Responsibilities	Timeframe/duration	Status	Funding
1	Installation of a <b>climate protection management</b> in the district office	Resolution for the Wandsek climate protection concept	Improvement of the personnel infrastructure. Representation of the field of climate protection and renovation management in the district administrations as an overarching strategy in accordance with <a href="#">Hamburg climate plan</a> .	District assembly	scheduled 03/2020	03/2020	
		Submission of final report to the funding agency		District Office Wandsbek	~ 05/2020		
		Approval and verification of final report		funding agency PtJ	~ 10/2020		
		Application for climate protection management		District Office Wandsbek	~ 6 month		
		Application approval		funding agency PtJ			
		Tendering for climate protection management		District Office Wandsbek	2021		
		Appointment of a climate protection manager		District Office Wandsbek	2021		<a href="#">PtJ (65 % state subsidy)</a>
2	Installation of a <b>renovation management</b> in the district office	analogous to the activities for the installation of a climate protection management		Climate protection management	2021 – 2022		<a href="#">KfW 432 (65 % subsidy)</a>

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3	Application of the <b>Energy Specialist Plan (ESP)</b> : Identification of the most technically, economically and ecologically sensible supply option, taking into account local needs and potential as well as the Wandsbek climate protection standard  <b>Refer to appendix 1)</b>	Subsequent verification of the redensification potential Residential units > 150 equivalent heat requirement + floor area ratio > 0,8	<b>Goal 4.1 + 1 + 2</b> O 4.1.2.2 O 1.1 + 1.2 + 1.3 O 2.1 + 2.2 (+ <b>Goal 3</b> O 3.1 M 4.1.1.1)	Housing cooperatives, Wandsbek District Office	t.b.c		Hamburg ministry of Environment and Energy (BUE), <a href="#">KfW 432 (65 % subsidy)</a>
		Contacting Ministry of Environment and Energy: Information about new building project		Wandsbek District Office, <b>BUE</b>	t.b.c		
3		I) Agreement with the developer (housing cooperatives) to prepare the Energy Specialist plan	<b>Goal 4.1 + 1 + 2</b> O 4.1.2.2 O 1.1 + 1.2 + 1.3 O 2.1 + 2.2 (+ <b>Goal 3</b> O 3.1 M 4.1.1.1)	<b>Housing cooperatives, BUE, climate protection management</b>	t.b.c		Opportunities to use state funds (BUE) during pilot phase of ESP
		II) Coordination process with developer regarding local needs and different energy supply and insulation options + common selection of external experts		<b>Housing cooperatives, BUE, climate protection and renovation management</b>	t.b.c		

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		<p>III) Elaboration of ESP parallel to other expert reports e.g.</p> <ul style="list-style-type: none"> <li>• extra report for neighborhood mobility concept</li> <li>• Energy consulting for existing residential buildings</li> <li>• <i>Examine RISE-Potential</i></li> </ul>	<p><b>Goal 3 + 4</b> Objective 3.1 Measure 4.1.1.1</p> <p><b>Goal 2</b> O 2.2 + 2.2</p> <p><b>Goal 4.2</b> O 4.2.1 + 4.2.2</p>	<p>Climate protection and renovation management, housing cooperatives, <b>Energy service company</b> Potential partner mobility concept: <a href="#">hySOLUTIONS GmbH</a></p> <p>IFB Hamburg</p> <p><i>Wandsbek District Office</i></p>	4 month (- 12 month)		<p><a href="#">Federal ministry of Transport and Digital Infrastructure</a></p> <p><a href="#">IFB Hamburg Energy Consulting for residential buildings</a></p> <p><a href="#">RISE</a> (Hamburg state funds)</p>
3		VI) Incorporation of the ESP results into the development plan or urban development contract	<p><b>Goal 4.1 + 1 + 2</b> O 4.1.2.2 O 1.1 + 1.2 + 1.3 O 2.1 + 2.2 (+ <b>Goal 3</b> O 3.1 M 4.1.1.1)</p>	Wandsbek District Office, climate protection and renovation management, developers	t.b.c		

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4	<b>Implementation of an Energy Improvement District (EID)</b> in accordance with the KfW 432 funding guidelines	Support and implementation: <ul style="list-style-type: none"> <li>Plan concept implementation</li> <li>Activate and network stakeholders</li> <li>Coordinate and control measures</li> <li>Act as the central point of contact for questions about financing and funding</li> </ul>	All Goals	<b>renovation management,</b> housing cooperatives	t.b.c		<a href="#">KfW 432 (65 % subsidy)</a>
			<b>Goal 1</b> O 1.1 + 1.2 + 1.3	<b>renovation management,</b> housing cooperatives, contracting and energy service companies (e.g. HanseWerk Natur GmbH, Hamburg Energie, Energienetz Hamburg eG)	t.b.c.		<a href="#">IFB Hamburg Renewable heat</a>
4			<b>Goal 2</b> O 2.1 + 2.2	<b>renovation management,</b> housing cooperatives, contracting and energy service companies (e.g.	t.b.c.		<a href="#">KfW 431 Planning and construction support</a>  <a href="#">KfW 430 Energy-efficient rehabilitation – investment grants</a>

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				<a href="#">dena / energiesprong</a>  KITA			<a href="#">KfW 151/152 Energy-efficient rehabilitation – loans for complete rehabilitations or single measures</a>  <a href="#">KfW 219/220 Energy-efficient construction and rehabilitation for non-residential buildings</a>  <a href="#">IFB Hamburg Energetic modernization of residential buildings</a>  <a href="#">IFB Hamburg Renewable heat</a>
4		Planning and new construction of KfW efficiency buildings  Energy-efficient construction of new residential buildings	<b>Goal 4.1</b> O 4.1.2	<b>Renovation management,</b> housing cooperatives, funding partner			<a href="#">KfW 431 Planning and construction support</a>  <a href="#">KfW 153 Energy-efficient construction–</a>

No.	Action	Activity	Goal, Objective (O), Measure (M)	Responsibilities	Timeframe/duration	Status	Funding
							<a href="#">building/purchasing of a KfW-energy-efficient standard house</a>
		<i>Framework program Integrated urban district development:</i> <ul style="list-style-type: none"> <li>• e.g. make public spaces more attractive through urban, green infrastructure.</li> </ul>	<b>Goal 4.2</b> O 4.1.2 + 4.2.2	<i>Renovation management</i>	<b>t.b.c.</b>		<a href="#">RISE</a> (Hamburg state funds)

## Appendix 1 – Variant Matrix based on the ESP

Variant Matrix		Model			Energy Supply				
Determination of the best combination of options regarding local requirements and potentials with the lowest CO2 emissions with economic viability.					Option 1		Option 2		
				grid based heat supply		Tenant/neighborhood electricity model			
Method		Technology			Own operation	Contracting	Connection to local heat grid	Establishment of energy cooperation	Contracting
		Insulation standard	Mobility	Building materials	CHP Solar thermal system heat storage ...		CHP PV ... ...		
"Energiefachplan" Energy Specialist Plan	Option 1	EnEV, <b>KfW 100</b> minimum standard <b>KfW 55</b> monitoring of final energy consumption / greenhouse gas emissions	bicycle parking spaces: sufficiently large, protected, ground level or accessible via ramps	Insulating materials made from minerals or renewable raw materials  reduced use of pesticides in the paint					
	Option 2	Sanctions due to exceedance: Index greenhouse gas: heat energy < 140g/kWh Hot water < 160 g/kWh (effective energy)		largely avoiding PVC plastics					
"Wandsbeker Klimaschutzstandard" Wandsbek climate protection standard as a part of the Integrated climate protection concept  - resolution in 06/2020	Option 3 "Wandsbek climate protection standard A"	<b>Passive house</b> monitoring = minimum standard  Sanctions due to exceedance: Index greenhouse gas heat energy < 90 g/kWh Hot water < 100 g/kWh (effective energy)	Bicycle spaces in accordance to the minimum standard 0,8 spaces per room or 0,6 spaces per employee; 15 % for load bikes  Space for public station-based car sharing  E-charging devices for car parking spaces (min. 15 % + preparation for fruther devices) E-charging devices for e-bikes (min. 15 % + preparation)	Use of the guidance Sustainable building by the BMI  in compliance with the gold standard	Solar panels on min. 60 % of existing roof spaces		Solar panels on min. 60 % of existing roof spaces		
	Option 4 "Wandsbek climate protection standard B"	<b>KfW 40</b> monitoring = minimum standard  Sanctions due to exceedance: Index greenhouse gas heat energy < 120 g/kWh hot water < 130 g/kWh (effective energy)	Bicycle spaces in accordance to the minimum standard 0,5 spaces per room or 0,3 per employee; 10 % for load bikes Space for public station-based car sharing  E-charging devices for car parking spaces (min. 10 % + preparation for fruther devices) E-charging devices for e-bikes (min. 10 % + preparation)	Use of the guidance Sustainable building by the BMI  in compliance with the silver standard	Solar panels on min. 40 % of existing roof spaces		Solar panels on min. 40 % of existing roof spaces		

## Appendix 2 – EID Goal Development

