

New Application

Project Number	15/2013																		
Project Title	"LED Up Hong Kong"-Documenting the environmental benefits, social acceptance, and economic opportunities of LED lighting, to facilitate its effective deployment in all market segments																		
Principal Investigator (PI)	<p>Ms Changhua WU, The Climate Group [registered as "The Climate Group (Hong Kong) Limited"]</p> <p>[Note: The original PI, Mr Kalmond Ma, Deputy Director, Strategic Partnership, Greater China of the Climate Group left the organisation in February 2014, and the supervisor of Mr Kalmond Ma subsequently took over the role of PI.]</p>																		
Project summary	The project aims to promote effective deployment of light-emitting diode (LED) lighting in Hong Kong that could create environmental, social and economic values for the society. The project will conduct researches filling the gaps in understanding the environmental (e.g. enhanced energy efficiency, carbon emissions reduction, lifecycle impacts), social (e.g. public perception, safety implications, light pollution) and economic (e.g. total ownership costs including operation and maintenance costs) aspects of LED lighting in the local context, complemented by awareness raising programmes targeting the specific needs of both institutional users and the general public.																		
Research Theme	Climate change – adaptation and mitigation																		
Project Duration	18 months																		
Proposed Budget	<p>The total budget is \$1,800,000, comprising the following items:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;">Item</th> <th style="text-align: center; padding: 5px;">Amount requested (\$)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Manpower</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">- 2 Senior Research Assistant @\$28,450/month × 18 months × 2</td> <td style="padding: 5px; text-align: right;">1,024,200</td> </tr> <tr> <td style="padding: 5px;">- Part-time staff for surveys @ \$50/hour × 600 hours</td> <td style="padding: 5px; text-align: right;">30,000</td> </tr> <tr> <td style="padding: 5px;">Stationery</td> <td style="padding: 5px; text-align: right;">7,200</td> </tr> <tr> <td style="padding: 5px;">- including printing, postage, papers, pens for surveys, etc. @\$400/month × 18 months</td> <td style="padding: 5px; text-align: right;"></td> </tr> <tr> <td style="padding: 5px;">Equipment</td> <td style="padding: 5px; text-align: right;">22,000</td> </tr> <tr> <td style="padding: 5px;">- Lighting installation @ \$1,500/fixture x 10</td> <td style="padding: 5px; text-align: right;"></td> </tr> <tr> <td style="padding: 5px;">- Photometer calibration @\$3,500 × 2</td> <td style="padding: 5px; text-align: right;"></td> </tr> </tbody> </table>	Item	Amount requested (\$)	Manpower		- 2 Senior Research Assistant @\$28,450/month × 18 months × 2	1,024,200	- Part-time staff for surveys @ \$50/hour × 600 hours	30,000	Stationery	7,200	- including printing, postage, papers, pens for surveys, etc. @\$400/month × 18 months		Equipment	22,000	- Lighting installation @ \$1,500/fixture x 10		- Photometer calibration @\$3,500 × 2	
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Website related items	<ul style="list-style-type: none"> - Website design and development (\$90,000) - Website maintenance [@\$1,500/month × 18 months] - Infographics design and animation/video clip development for website (\$25,000) - Photographer (for enhancing visual elements of website and event records) [1,500/half-day × 10 days] 	157,000
Transportation	<ul style="list-style-type: none"> - Transportation cost for meetings, surveys, etc (@\$400/month × 18 months) - Transportation allowance for quantitative assessment participants and special target group interviews (@\$80/person × 400) 	39,200
Lab test on light penetration in fog and effects on vision	<ul style="list-style-type: none"> - including testing chambers set up (\$100,000), methodology development (\$35,000), testing fee (\$70,000), and project management fee (\$50,000) 	130,000
Set up of indoor area for public perception survey	<ul style="list-style-type: none"> - including venue set-up labor costs (\$2,000), equipment purchase (\$2,000), and venue rental (\$2,000) 	6,000
Seminar/ workshops	<ul style="list-style-type: none"> - 10 Seminars/workshops, including venue rental (\$2,000 × 10), refreshments by social enterprise (\$2,000 × 10), and hand-outs and miscellaneous (\$1,000 × 10) - Closing seminar, including venue rental (\$4,000), refreshments by social enterprise (\$3,500) and hand-outs and miscellaneous (\$2,500) 	50,000 10,000
Report, handbook and educational pamphlets	<ul style="list-style-type: none"> - Report layout and infographics design (\$5,000 × 4) - Handbook design (e-book and hardcopy) (\$20,000) - Handbook (printed on environmentally friendly paper) (\$80 × 1,000 copies) - Educational pamphlets (layout design and printing) (\$10 × 3,000 copies) 	150,000
Gifts to participants	<ul style="list-style-type: none"> - LED light bulbs for seminar/survey participants (\$100 × 50) - LED desk lamps for seminar/survey participants (\$180 × 30) 	10,400

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For Discussion

	(Cont'd)	Amount requested (\$)
	Item	
	Auditor fee (\$10,000 × 2)	20,000
	Administration overheads of the Climate Group office (\$8,000/month × 18 months)	144,000
Total:		1,800,000
Assessments/Remarks	<p>See <u>Appendix</u>.</p> <p>Members are invited to advise whether the application for ECF should be supported and if supported, the exact amount of fund to be granted.</p>	

Secretariat, ECF Research Projects Vetting Subcommittee
February 2014