

REPORT

CLP Power Hong Kong Ltd

**Renewable Energy Supply
on Town Island
(Operational Phase):
Quarterly Monitoring
Report**

Aug 2013

CLP Power Hong Kong Limited

3/F Centenary Building

1 To Wah Road, Fordan


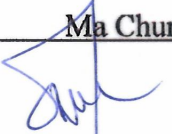
Kowloon, Hong Kong

REPORT

CLP Power Hong Kong Ltd

Renewable Energy Supply on Town Island (Operational Phase): Quarterly Monitoring Report

Aug 2013

For and on behalf of CLP Power Hong Kong Limited	
Approved by:	Wu Ming Fai
Signed:	
Position:	Engineer I
Certified by:	Ma Chun Fai
Signed:	
Position:	Senior Operations Manager
Date:	10/9/2013

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1 ENVIRONMENTAL SITE AUDIT

1.1 BACKGROUND

The operation works of Renewable Energy Supply on Town Island (the Project) commenced in Dec 2012.

To fulfil environmental audit requirements stated in Section 5.7.2 of the approved Project Profile (PP) submitted for direct application of an Environmental Permit under EIA Ordinance (EIAO) (PP-413/2010), monthly environmental site audits should be undertaken to monitor the impact (via collisions) of the wind turbines on birds, with a particular focus on species of conservation interest) and migratory birds.

During the first year of operational phase, monitoring for bird collision is recommended on monthly basis. The findings are reported in Quarterly Report. A Final Monitoring Report will be prepared after this one-year monitoring period. The details of monitoring are summarized in Section 5.5.2 of PP.

This is the Quarterly Monitoring Report presenting the monitoring results and observations of the site audit conducted on 17 Jun 2013, 27 Jul 2013 and 28 Aug 2013.

1.2 BIRD MONITORING FINDINGS AND OBERVATIONS

The monthly bird monitoring site audit was conducted on 17 Jun 2013, 27 Jul 2013 and 28 Aug 2013. The works undertaken during the site audit included operation and maintenance at both Site 1 and Site 2.

No abnormal findings and no bird injuries or death are observed.

Bird monitoring checklist is given in Annex A.
Site inspection location maps are given in Annex B.
Photos of the site audit are given in Annex C.

Renewable Energy Supply on Town Island Environmental Site Audit

Inspection Date: 17 June 2013

Time: 10:30 to 13:00

Inspected By:

CLP Representative : Wilson Chan

Weather

Condition Sunny Fine Overcast Drizzle Rain Storm Fine

Temperature °C Humidity High Moderate Low

Wind Calm Light Breeze Strong

Birds				
Bird Group Name	Common Name	Species Name	Bird injury or death observed (Y/N)	Remarks
Birds of Prey	Black Kite	Milvus migrans	N	
	White-bellied Sea Eagle	Haliaeetus leucogaster	N	
Terns	Black-naped Tern	Sterna sumatrana	N	
Passerines	House Swift	Apus nipalensis	N	
	Common Magpie	Pica pica	N	
	Black Drongo	Dicrurus macrocercus	N	
	Barn Swallow	Hirundo rustica	N	
	Brown Shrike	Lanius Cristatus	N	
	Long-tailed Shrike	Lanius Schanch	N	
	Richard's Pipit	Anthus richardi	N	
	Great Tit	Parus major	N	
	Eurasian Tree Sparrow	Passer montanus	N	
	Chinese Bulbul	Pycnonotus sinensis	N	
	Red-whiskered Bulbul	Pycnonotus jocosus	N	
	Sooty-headed Bulbul	Pycnonotus aurigaster	N	
	Crested Myna	Acidotheres cristatellus	N	
Black-collared Starling	Sturnus nigricollis	N		

	Common Tailorbird	Orthotomus sutorius	N	
	Hwamei	Garrulax canorus	N	
	Masked Laughingthrush	Garrulax perspicillatus	N	
	Oriental Magpie Robin	Copsychus saularis	N	
	Japanese White-eye	Zosterops japonicus	N	
Others	White-throated Kingfisher	Halcyon smyrnensis	N	
	Spotted Dove	Streptopelia chinensis	N	
	Greater Coucal	Centropus sinensis	N	
	Lesser Coucal	Centropus bengalensis	N	

Notes/Issues Recorded On Site

Nil

Signatures

CLP Representative



 (Wilson Chan)

Renewable Energy Supply on Town Island Environmental Site Audit

Inspection Date: 27 July 2013

Time: 10:30 to 13:00

Inspected By:

CLP Representative : Wilson Chan

Weather

Condition Sunny Fine Overcast Drizzle Rain Storm

Temperature °C Humidity High Moderate Low

Wind Calm Light Breeze Strong

Birds				
Bird Group Name	Common Name	Species Name	Bird injury or death observed (Y/N)	Remarks
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	Common Magpie	Pica pica	N	
	Black Drongo	Dicrurus macrocercus	N	
	Barn Swallow	Hirundo rustica	N	
	Brown Shrike	Lanius Cristatus	N	
	Long-tailed Shrike	Lanius Schanch	N	
	Richard's Pipit	Anthus richardi	N	
	Great Tit	Parus major	N	
	Eurasian Tree Sparrow	Passer montanus	N	
	Chinese Bulbul	Pycnonotus sinensis	N	
	Red-whiskered Bulbul	Pycnonotus jocosus	N	
	Sooty-headed Bulbul	Pycnonotus aurigaster	N	
	Crested Myna	Acidotheres cristatellus	N	
	Black-collared Starling	Sturnus nigricollis	N	

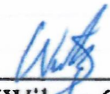
	Common Tailorbird	Orthotomus sutorius	N	
	Hwamei	Garrulax canorus	N	
	Masked Laughingthrush	Garrulax perspicillatus	N	
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	Japanese White-eye	Zosterops japonicus	N	
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	Greater Coucal	Centropus sinensis	N	
	Lesser Coucal	Centropus bengalensis	N	

Notes/Issues Recorded On Site

Nil

Signatures

CLP Representative



 (Wilson Chan)

Renewable Energy Supply on Town Island Environmental Site Audit

Inspection Date: 28 August 2013

Time: 10:30 to 13:00

Inspected By:

CLP Representative : Wilson Chan

Weather

Condition Sunny Fine Overcast Drizzle Rain Storm

Temperature °C Humidity High Moderate Low

Wind Calm Light Breeze Strong

Birds				
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	Hwamei	Garrulax canorus	N	
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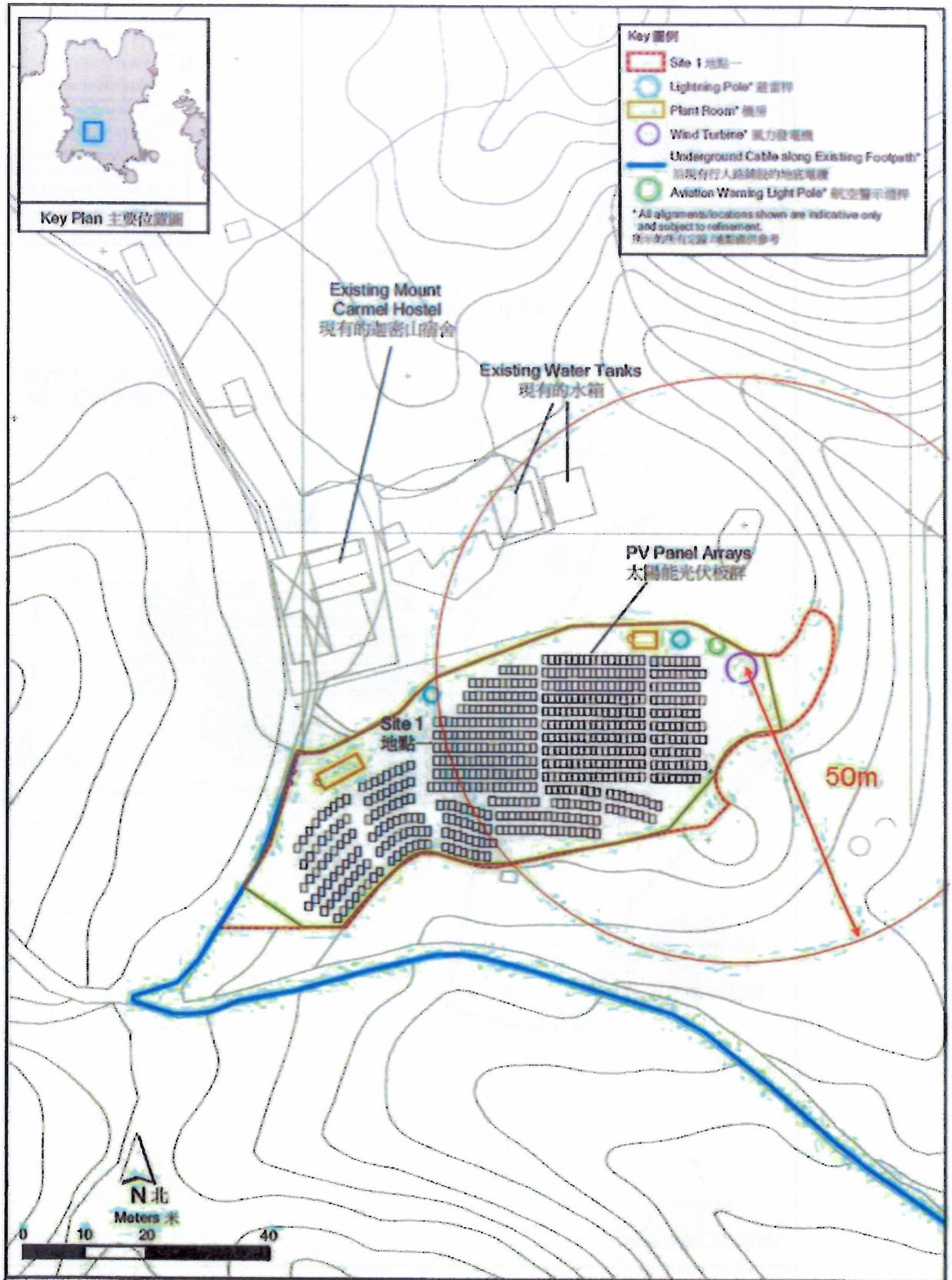


 (Wilson Chan)

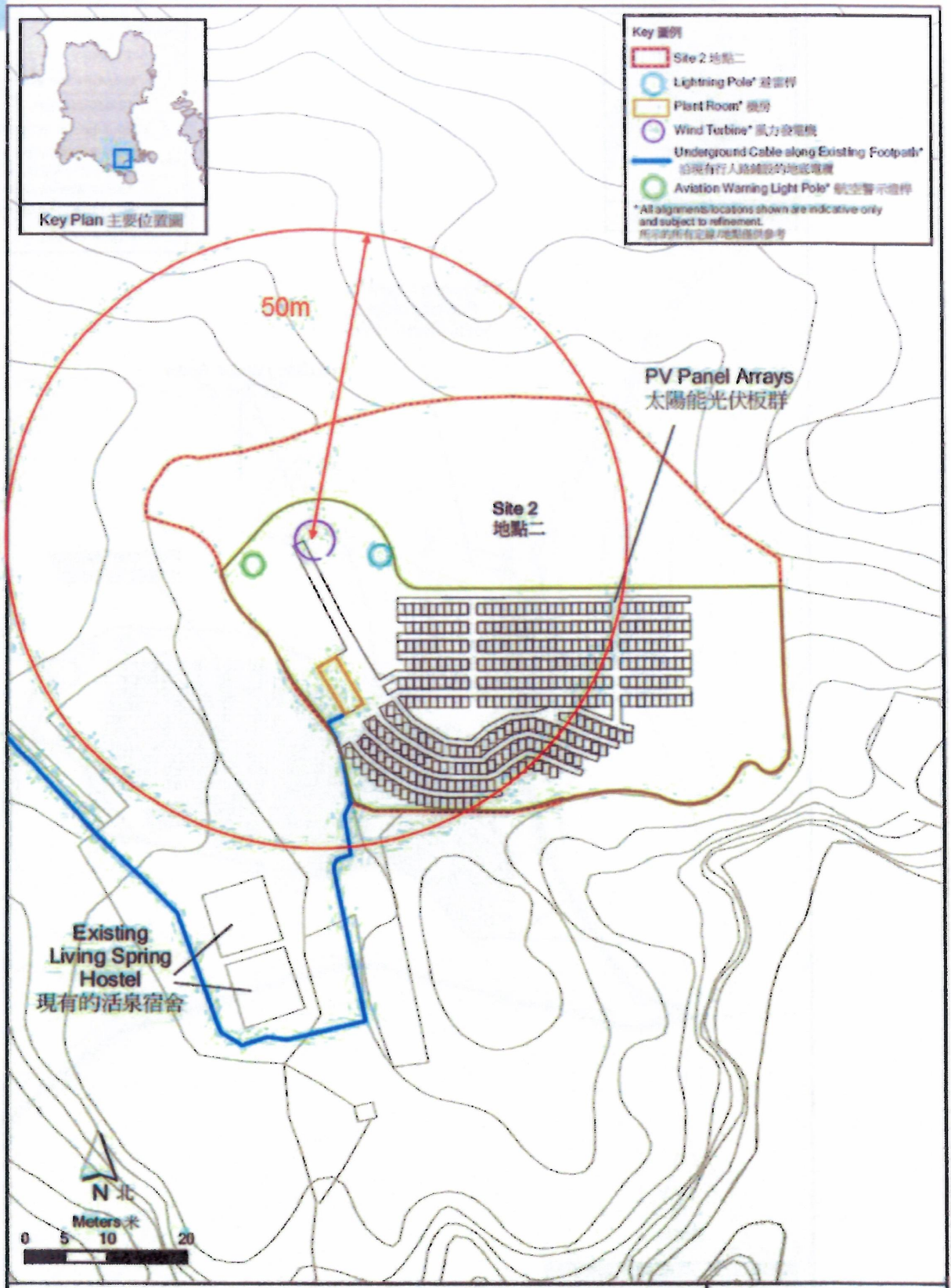
Annex B

Site Inspection Location Maps

Site 1: Mount Carmel RE Station



Site 2: Living Spring RE Station



Annex C

Photo Records

Photo Record on 27 Jul 2013



Photo Record on 28 Aug 2013

