

# REPORT

CLP Power Hong Kong Ltd

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

May 2013

CLP Power Hong Kong Limited

3/F Centenary Building

1 To Wah Road, Fordan


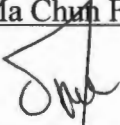
Kowloon, Hong Kong

# REPORT

CLP Power Hong Kong Ltd

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

May 2013

For and on behalf of CLP Power Hong Kong Limited	
Approved by:	<u>Wu Ming Fai</u>
Signed:	
Position:	<u>Engineer I</u>
Certified by:	<u>Ma Chun Fai</u>
Signed:	
Position:	<u>Senior Operations Manager</u>
Date:	<u>14 Jun 2013</u>

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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 22 Mar 2013, 17 Apr 2013 and 23 May 2013.

### **1.2 BIRD MONITORING FINDINGS AND OBERVATIONS**

The monthly bird monitoring site audit was conducted on 22 Mar 2013, 17 Apr 2013 and 23 May 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.

**Annex A**

# **Bird Monitoring Checklist**

Renewable Energy Supply on Town Island  
Environmental Site Audit

Inspection Date: 22 March 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  Rain

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 migran	N	
	White-bellied Sea Eagle	Haliaeetus leucogaster	N	
Terns	Black-naped Tern	Sterna sumatrana	N	
Passerines	House Swift	Apus affinis	N	
	Common Magpie	Pica pica	N	
	Black Drongo	Dicrurus macrocerus	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	
	Light-vented Bulbul	Pycnonotus sinensis	N	
	Red-whiskered Bulbul	Pycnonotus jocosus	N	
	Sooty-headed Bulbul	Pycnonotus aurigaster	N	
	Scrested 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


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 (Wilson Chan)

Renewable Energy Supply on Town Island  
Environmental Site Audit

Inspection Date: 17 April 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  Rain

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 migran	N	
	White-bellied Sea Eagle	Haliaeetus leucogaster	N	
Terns	Black-naped Tern	Sterna sumatrana	N	
Passerines	House Swift	Apus affinis	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	
	Light-vented Bulbul	Pycnonotus sinensis	N	
	Red-whiskered Bulbul	Pycnonotus jocosus	N	
	Sooty-headed Bulbul	Pycnonotus aurigaster	N	
	Scrested 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: 23 May 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  Rain

Wind  Calm  Light  Breeze  Strong

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	Great Tit	Parus major	N	
	Eurasian Tree Sparrow	Passer montanus	N	
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	Red-whiskered Bulbul	Pycnonotus jocosus	N	
	Sooty-headed Bulbul	Pycnonotus aurigaster	N	
	Scrested Myna	Acidotheres cristatellus	N	
Black-collared Starling	Sturnus nigricollis	N		

	Common Tailorbird	Orthotomus sutorius	N	
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### Notes/Issues Recorded On Site

Nil

Signatures

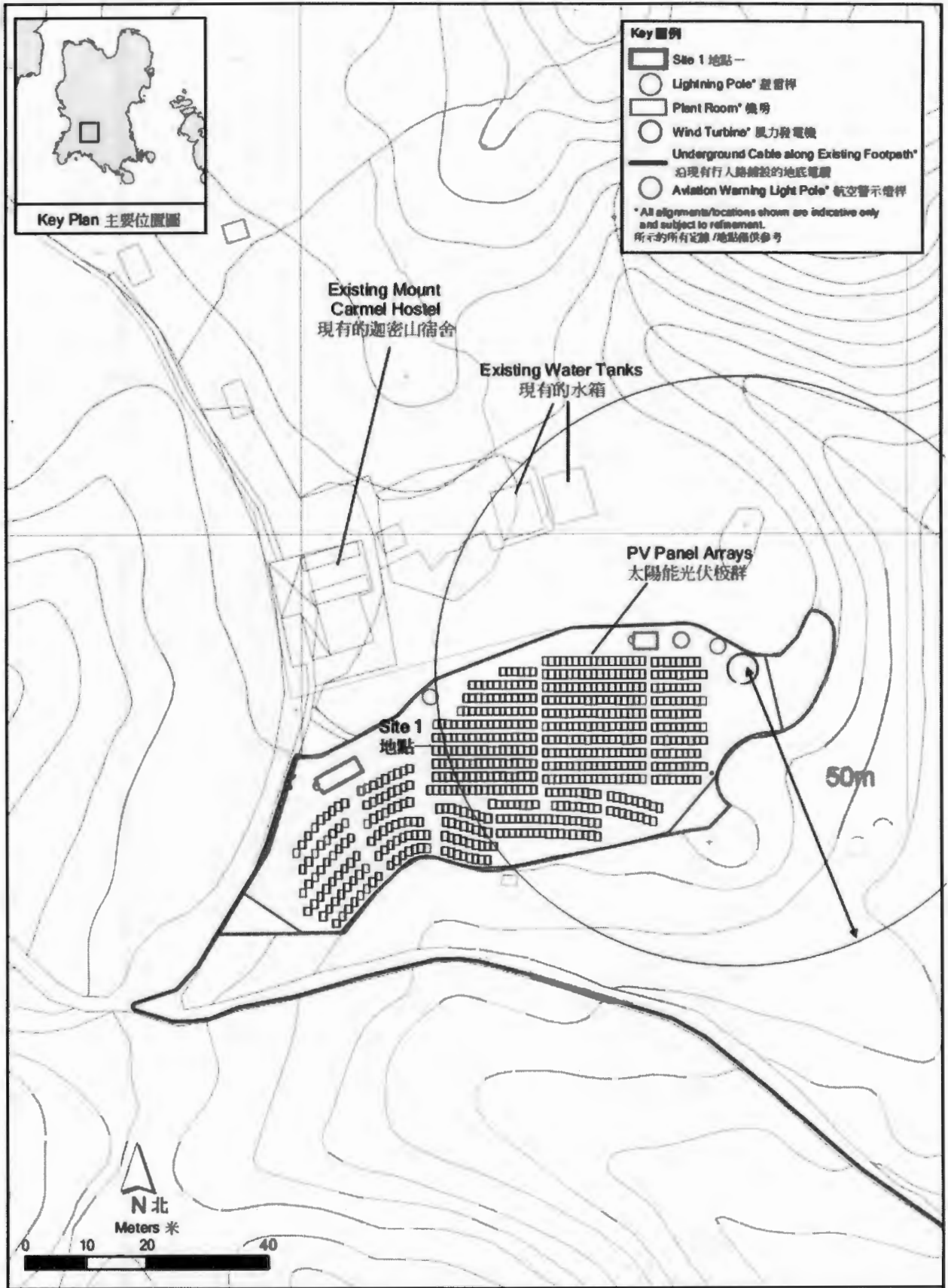
CLP Representative

  
 (Wilson Chan)

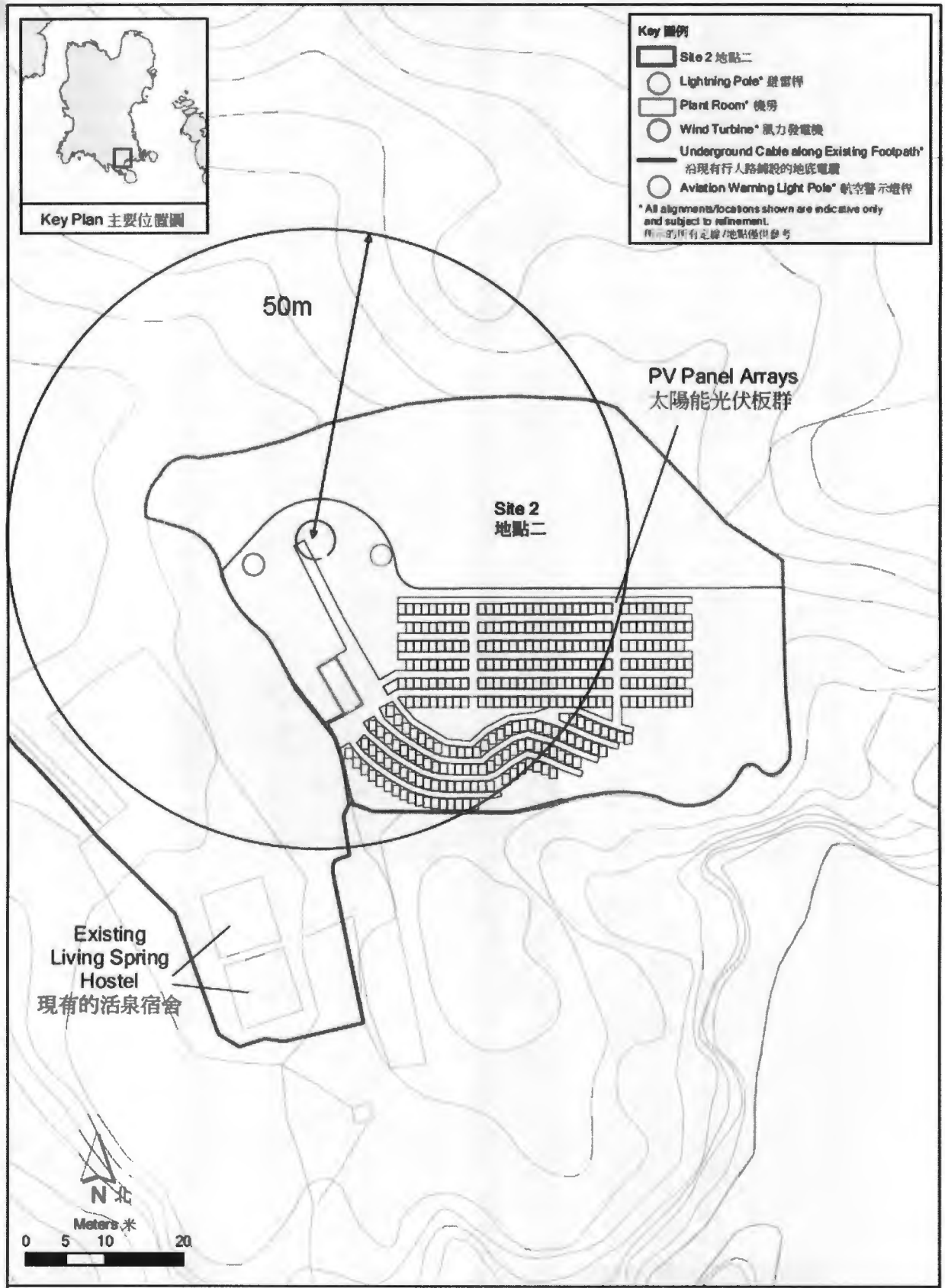
**Annex B**

**Site Inspection Location Maps**

# Site 1: Mount Carmel RE Station



# Site 2: Living Spring RE Station



**Annex C**

# **Photo Records**

Photo Record on 22 Mar 2013



Photo Record on 23 May 2013

