

Sharing Session With NGOS

TUNG WAH GROUP OF HOSPITALS TO MOVE TOWARDS A GREEN ORGANIZATION

24 September 2009



OUR EARLY EFFORTS IN ENVIRONMENTAL PROTECTION











MEDICAL & HEALTH Services



Green Hospital Awards Gold Awards to KWH and TWGHs WTSH



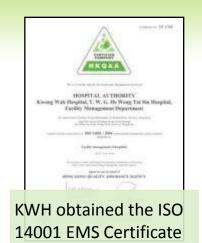
Photovoltaic panel at KWH



New heat pump system at KWH



Chinese Medicine dispensaries have installed water scrubbers







COMMUNITY SERVICES



Qing Yan Furnace

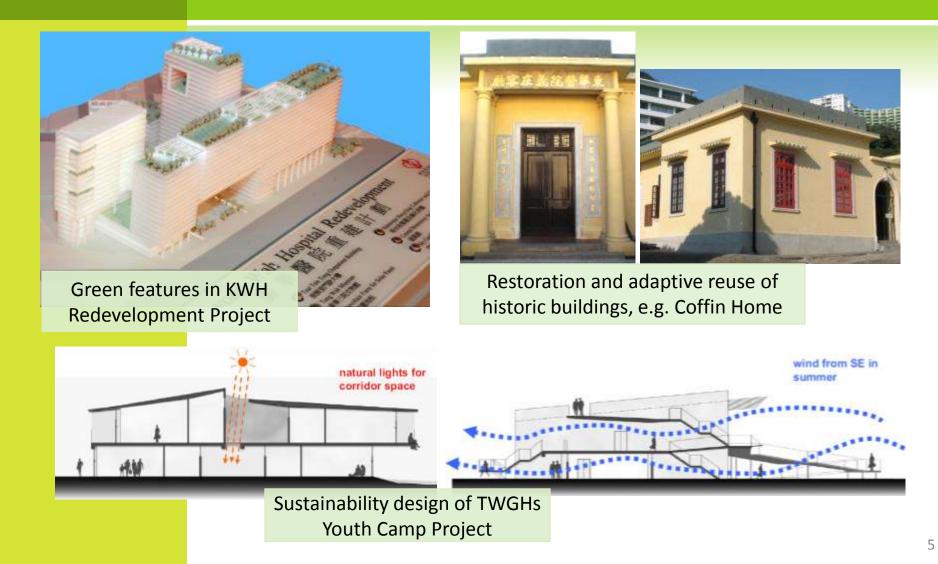








GREEN BUILDING & SUSTAINABILITY





GREEN PROCUREMENT AND PROPERTY MANAGEMENT

Green Procurement

 Green specifications for commonly used items such as vehicles, recyclable stationery and papers, lunch boxes



Property Management

- Quality Water Recognition Scheme
- Collection of waste paper, plastic, metals and rechargeable batteries
- Green Office house rules





EDUCATION SERVICES



One Person, One Flower Scheme organized by LCSD



Championship in the senior group section in an urban design competition





TWGHs Leo Tung-hai LEE Primary School and TWGHs Ko Teck Kin Memorial Kindergarten

Championship in the junior primary school section and the kindergarten section in the Story-telling Competition on "Healthy Wetlands, Healthy People"



ONE STEP FORWARD

Consolidation of Previous Green Experience

TWGHs is committed to pursue a

TOTAL ENVIRONMENTAL APPROACH

in operating its Medical, Education and

Community Services



PARTNERSHIP BETWEEN ECF AND TWGHS TO MOVE TOWARDS A GREEN ORGANIZATION





B

PROCESS TO BUILD UP THIS GREEN PROJECT









GREEN PROJECT WORKING GROUP

Green Project Working Group set up at the

Divisions/Branches





 Green Managers appointed to promote green initiatives and assist in implementing the Group's green house rules

executive level, comprising representatives of all

A New Green Chapter in Annual Reports and Annual Plans





PROJECT INCEPTION



Green Tour to visit Lamma Winds



Visit to Organic Farming at Hok Tau Village



Visit to Long Valley Wetland



Green Education & Resource Centre



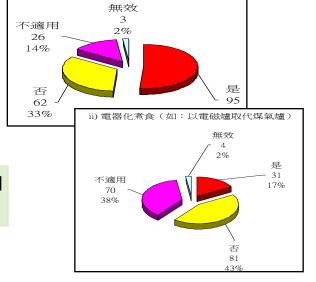
PROJECT INCEPTION



Environmental Talks



Briefing Session of Environmental Management Survey



6. 舊電腦/電器用品







Meetings with Green Groups and External Environmental Consultancies Questionnaire Survey on Environmental Management



ENVIRONMENTAL STEERING COMMITTEE & ENVIRONMENTAL WORKING GROUP



Environmental Steering Committee

- SC and EWG have been set up in 2008
 - To steer the Group towards environmental conservation;
 - To **monitor and review** the Group's environmental performance;
 - To **identify** areas for improvement; and
 - To **formulate** future environmental policies.

Environmental Working Group





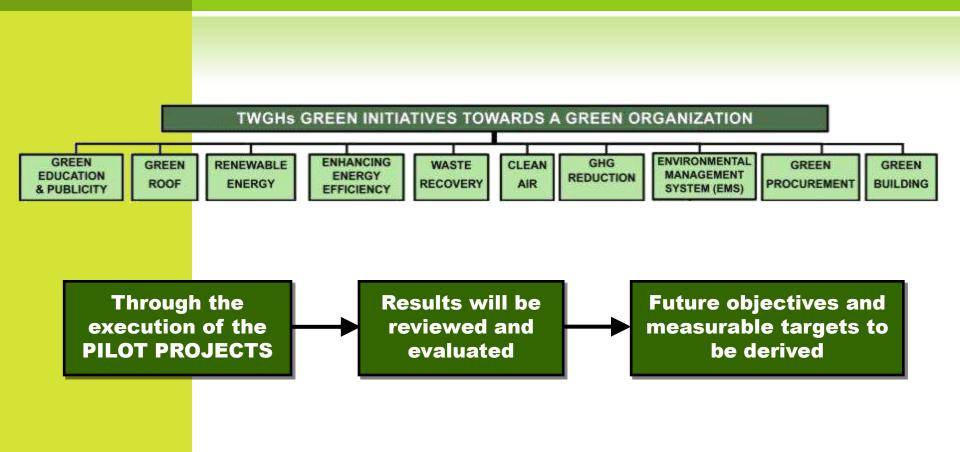
GREEN STRATEGIES

- Green Governance
- Green Education
- Green Procurement
- Go Green on Energy
- Conservation of Resources
- Pollution Reduction
- Green Building





GREEN INITIATIVES







Green Roof and Monitoring & Data Evaluation







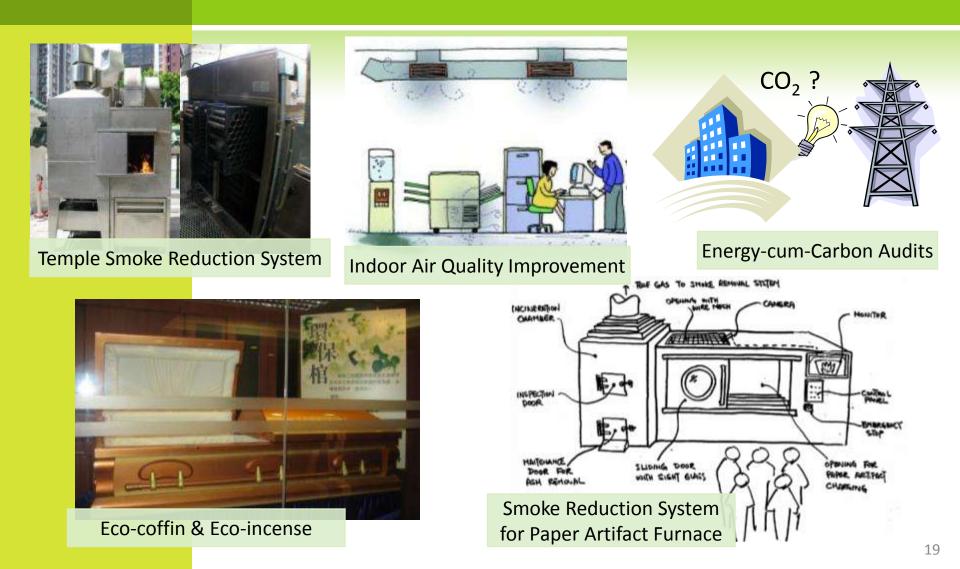


Waste Source Separation















Green Education, Publicity & Communications Programme

• Green Learning

- Design diversified learning and fun programme
- Inter-school Competition
- e-Green Learning
- Joint-schools Workshops/ Seminars

Communication Programme

- Launching Ceremony
- "Greening" the Charity Gala 2009
- Web pages
- O Green Chapter







SELECTION CRITERIA FOR IMPLEMENTATION OF GREEN PILOT PROJECTS

- \bigcirc Hospitals \bigcirc Schools

Social Services Building

- Representation of Building Types
- Availability of Space for Projects
- Suitability of Site for Projects

Set a Role Model for Others

- Accessibility by the Public
- Osers' Participation

Suitability for Solar Films?



Users' Participation in using solar water heating



Enough space for green roof?



Any fence and accessible by students?



COST ESTIMATION





ECF APPLICATION





OUR WISH TO INFLUENCE THE COMMUNITY



- **MULTIPLYING EFFECT** will be triggered by Tung Wah to provide positive influence to the Community
- Create platform for Tung Wah's stakeholders to learn and appreciate green living through Pilot Projects:
 - No. of students over 29,000
 - No. of staff over 10,000
 - No. of services recipients/ attendance over 1.7 million
- Set a role model for other organizations and industries



C

PROJECT IMPLEMENTATION







LAUNCHING CEREMONY FOR TWGHS TO MOVE TOWARDS A GREEN ORGANIZATION 21 MARCH 2009



Stage Performance「保護濕地齊齊rap」



Mr. Edward YAU Tang-wah, JP, Secretary for the Environment conducted an Interview Session with Students





Group Photo with Mr. Edward YAU Tangwah, JP, Secretary for the Environment



GREEN WEB PAGE





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AN INVESTIGATION CONTRACTOR VALUES AND ADDRESS OF TAXABLE PARTY OF TAXABLE



WHAT'S NEW



Kick-off Ceremony for TWGHs Little Green Angel – Children Green Education Programme 24 September 2009 Joint Schools Mascot and Slogan Design Competition for Green Living



MASTER PLAN

| | Task Neme | Duration | Start | Finish | | | 10000 | 1000 | | - Contractor | Trans. | 1.000 | 10000 | 1000 | 1.00 | 10000 | 10000 | 1000 | 11010 |
|------------|--|---|------------------------------|--------------------------------|-------|---------------|------------|-------|----------------------|--------------------|--------|----------|----------|-------|------|-------|-------|--------|-------|
| 4 | | 22.4 | F. (07 /00 /00 | Mon 07/09/09 | 2009 | | 4009 | 1010 | 2010 | 3010 | 4010 | 1011 | 2011 | 3011 | 4011 | 1012 | 2012 | 3012 | 4012 |
| -1 | Inception Stage Inception Report | 22 days 22 days | | Mon 07/09/09 Mon 07/09/09 | | | | | | | | | | | | | | | |
| 4 | | | | | | ~ | | | | | | | | | | | | | |
| | Review Stage Green Governance | | Mon 24/08/09 Mon 24/08/09 | Fri 22/10/10 | | Q | E | | | | 1.024 | | | | | _ | | | |
| _ | | 306 days | | | | | | 1 | _ | | _ | | | | | | | | |
| | Review Report on Group's Current Environmental Practices/ Policies Hotline | 87 days 718 days | Thu 03/09/09 Mon 02/11/09 | Fri 01/01/10 | | | 1 m - | Ĩ | _ | | | | | | | | | | |
| - | | | | | 1 | | - | | | | | | | | | | | | |
| 4 | Monthly progress Report | 737 days | Thu 10/05/09 | Thu 05/07/12 | 3 | | 1 | | | | | | | | | | | | |
| | Half Yearly Interval Progress Report | 648 days | Fri 05/02/10 Thu 05/08/10 | Tue 31/07/12 Fri 05/08/11 | | | | | 11 | 1000 | _ | | | 10000 | _ | _ | 1 | - | |
| 9 | Yearly Interval Progress Report | 262 days | | states (Included Statistics) | | 22.0 | | | | - | | | | - | | | | Sec. 1 | |
| | Proposed Green Initiatives Stage | | Mon 27/07/09 | | | ÷ | | | | | | | | | | | 1 | | |
| | Implementation of Green Building Strategies | 262 days | Fri 01/04/11 | manufacture in a second second | | | | | | | | | ÷ | | _ | | | | |
| 6 | Improvement Plan | 32 days | Fri 27/64/12 | | 1 | | | | | | | | | | | | Q | | |
| | Green Initiatives | 745 days | Mon 27/07/09 | | 6 | | _ | _ | | | | _ | _ | _ | _ | _ | _ | | |
| | Site Visit (1st Batch) | 4 days | Mon 27/07/09 | Thu 30/07/09 | 1 | Ψ | | | | | | | | | | | | | |
| | Site Visit (Znd Batch) | 12 days | Mon 03/08/09 | Tue 16/08/09 | | 99 | | | | | | | | | | | | | |
| 2 | Waste Source Separation | 26 days | Fri 31/07/09 | Fri 04/09/09 | | 0-0 | | | | | | | | | | | | | |
| 4 | Green Roof at Yau Tze Tin Memorial College | 198 days | Wed 16/09/09 | Thu 17/06/10 | | | _ | _ | - | P | | | | | | | | | |
| 1 | 1st Phase (Pilot Projects) Lott | 315 days | Mon 05/10/09 | Thu 16/12/10 | | | ÷ | - | - | - | | P | | | | | | | |
| 2 | LED Exit Signs | 315 days | Mon 05/10/05 | Thu 16/12/10 | | | ÷ | - | - | <u> </u> | | Þ. | | | | | | | |
| 7 | Motion Sensors / Solar Films | 315 days | Mon 05/10/09 | Thu 16/12/10 | 1 | | v | - | _ | | | £ | | | | | | | |
| 2 | Lighting Retrofit | 315 days | Mon 05/10/09 | Thu 16/12/10 | 1 | | Q | _ | - | - | | x | | | | | | | |
| 7 | Energy efficient Room-coolers | 315 days | Mon 05/10/09 | Thu 16/12/10 | 9 | | ÷ | - | _ | | | P | | | | | | | |
| 2 | Green Roofs | 315 days | Mon 05/10/09 | Thu 16/12/10 | 1 | | ÷ | - | | - | | P | | | | | | | |
| 7 | 1st Phase (Pilot Projects) Lot2 | 313 days | Mon 01/02/10 | Wed 13/04/11 | | | | - | - | | _ | | | | | | | | |
| 8 | PV Panels | 313 days | Mon 01/02/10 | Wed 13/04/11 | 1 | | | - | _ | | _ | _ | | | | | | | |
| 3 | Small Wind Turbine | 313 days | Mon 01/02/10 | Wed 13/04/11 | | | | - | - | - | | | | | | | | | |
| 6 | Small Composting Machine | 313 days | Mon 01/02/10 | Wed 13/04/11 | 1 | | | - | - | - | | - | -0 | | | | | | |
| 3 | ISO 14001 | 300 days | Mon 01/02/10 | Fri 25/03/11 | 1 | | | - | - | _ | _ | - | φ | | | | | | |
| 1 | 2nd Phase (Pilot Projects) | 520 days | Fri 04/06/10 | Thu 31/05/12 | 1 | | | 24210 | | _ | _ | | | _ | _ | _ | | | |
| 2 | Solar Water Heating | 313 days | Fri 04/06/10 | Tue 16/08/11 | 1 | | | | | | _ | | _ | | | | | | |
| 7 | Temple Smoke Reduction System | 313 days | Fri 04/06/10 | Tue 16/08/11 | 1 | | | | | _ | _ | _ | _ | | | | | | |
| 2 | Smoke Reduction System for Paper Artifact Incinerator (Delayed by Client) | 313 days | Tue 22/03/11 | | | | | | | | | 1 | - | | _ | - | | | |
| 7 | Energy-cum-Carbon Audits | 313 days | Thu 01/07/10 | | | | | | | ÷— | _ | - | _ | | φ | | | | |
| 2 | Indoor Air Quality Improvement | 313 days | Thu 01/07/10 | Mon 12/09/11 | | | | | | ÷ | | | _ | | Ψ | | | | |
| _ j | Formulation of Recommendation Stage (To be confirm) | 1 day | Man 03/08/09 | | | • | | | | 1 | | | | | | | | | |
| | Final Report | 32 days | Mon 18/06/12 | Tue 31/07/12 | | | | | | | | | | | | | 1 3 | | |
| | Programmes on Green Education (Activity to be | 740 days | The 01/10/09 | Tue 31/07/12 | | | • <u> </u> | - | - | - | | - | _ | _ | | _ | _ | - | |
| 6 | determined by the TWGHs) Green Talk | 697 days | Thu 01/10/09 | Thu 31/05/12 | | | _ | | _ | _ | _ | | | _ | | _ | 1 | | |
| 5 | Study Tours | 545 days | Thu 01/10/05 | Tue 01/11/11 | | | | | | 1 | | | | | 1000 | | | | |
| - | State of the second | and the second se | Mon 01/03/10 | Tue 31/07/12 | 1 | | 1 | 100 | | | | | | | | - | - | 1.22 | |
| 6 | Green e-Learning Green Living - Environmental Education Programme for TWGHs Kindergartens | 632 days 100 days | Sat 23/01/10 | | | | | - | | | | | | | | | | | |
| 19 | Green Video | 697 days | Thu 01/10/09 | Thu 31/05/12 | | | | _ | _ | _ | _ | _ | _ | | | _ | | | |
| 160 | BMT Asis Papilic Solt | Proj | yrazs | | Summa | ny Summary | - | - | External External | Tasks Milestone | ¢ | _ | Deadline | Te | enta | tive | Pro | ara | mm |



LOOKING FORWARD

- Incorporate sustainability principles and measures in operating its medical, education and community services
- Ontinue its efforts in the pursuit of achieving various environmental, social and economic targets to meet the sustainability challenges ahead



Attain a high-quality and sustainable living environment for the community and the future generations



THANK YOU!