



Rechargeable Battery Recycling Programme

Annual General Meeting
8 March 2006





Agenda

1. Annual Report (2005-06)
2. Report on Financial Position
3. Survey on Rechargeable Battery Recycling Programme
4. Matters for discussion
 - 2006-07 Cost Sharing Arrangements (Discussion Paper 1)
 - 2006-07 Proposed Publicity Plan
 - Recruitment of New Members (Discussion Paper 2)
 - Shipment and Anniversary Ceremony
5. A.O.B.
 - Proposed Composition of the Working Group
 - Producer Responsibility Scheme



Agenda Item No. 1

Annual Report (2005-06)

Rechargeable Battery Recycling

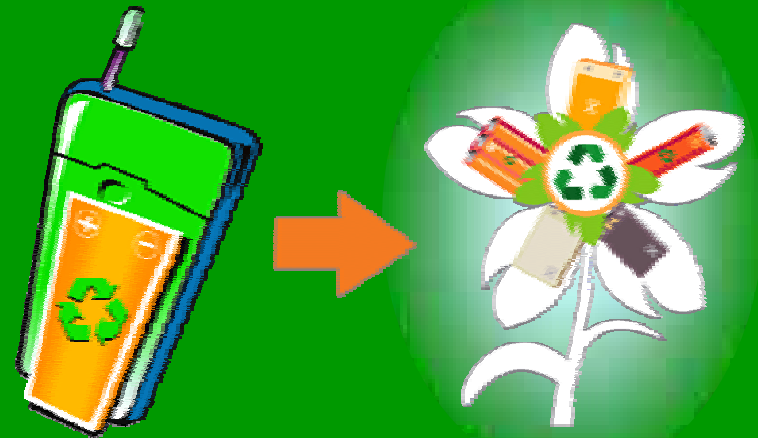


11 April 2002

Mobile Phone Battery Recycling Programme

9 April 2005

Rechargeable Battery Recycling Programme



Rechargeable Battery Recycling Programme Participating Companies



Participating companies : 33 → 34

- Saft (HK) Ltd joined the programme in June 2005.
- Tier 1 members : 17 nos
- Tier 2 members : 17 nos

Rechargeable Battery Recycling Programme Primary Collection Points



Collection points : 300 → 446

-  24 stores (May 2005)
-  42 stores (Oct 2005)
-  6 stations (Oct 2005)
-  extend to all stations (Dec 2005)

Rechargeable Battery Recycling Programme Secondary Collection Points



- participating housing estates:
540 → 760 (covering 51% of the population in HK)
- commercial/industrial buildings:
83 → 146
- schools:
148 → 162

Rechargeable Battery Recycling Programme

Collection Points



**Total no. of
Collection Points:
1514**





Battery Collection

- Contractor
Dunwell Environmental Management Co Ltd
(Subcontractor – Wing Tat Transportation Co)
- Provide collection services to 35 central points
 - ↳ 5 central points (\$700)
 - ↳ 15 central points (\$2,250)
 - ↳ 35 central points (\$5,500)
- Battery sorting, placing masking tape over batteries, record the weight of batteries
(\$0.4 per rechargeable battery)

Collection Schedule



- Major central points (monthly)
- Other central points (bimonthly)
- Special collection (on request)

Rechargeable Battery Waste in Hong Kong



- About 200 tonnes from domestic sources and 50 tonnes from industrial/ commercial/ institutional sources disposed of at landfills each year.
- EPD have approached the major battery waste producers since June 2005.
- Working group agreed to expand the programme to take C&I battery waste for recycling.

Industrial/Commercial Battery Waste



- Agreed to set the charge as shown. The waste producers also require to pay local collection cost.

Type of Battery	Amount (HK\$/kg)
Li-ion	\$3.7
NiMH	
NiCd	
NiCd (Ind – without electrolyte)	\$ 5.3
NiCd (Ind – with electrolyte)	\$ 6.1

Ind/Comm/Institution Sectors



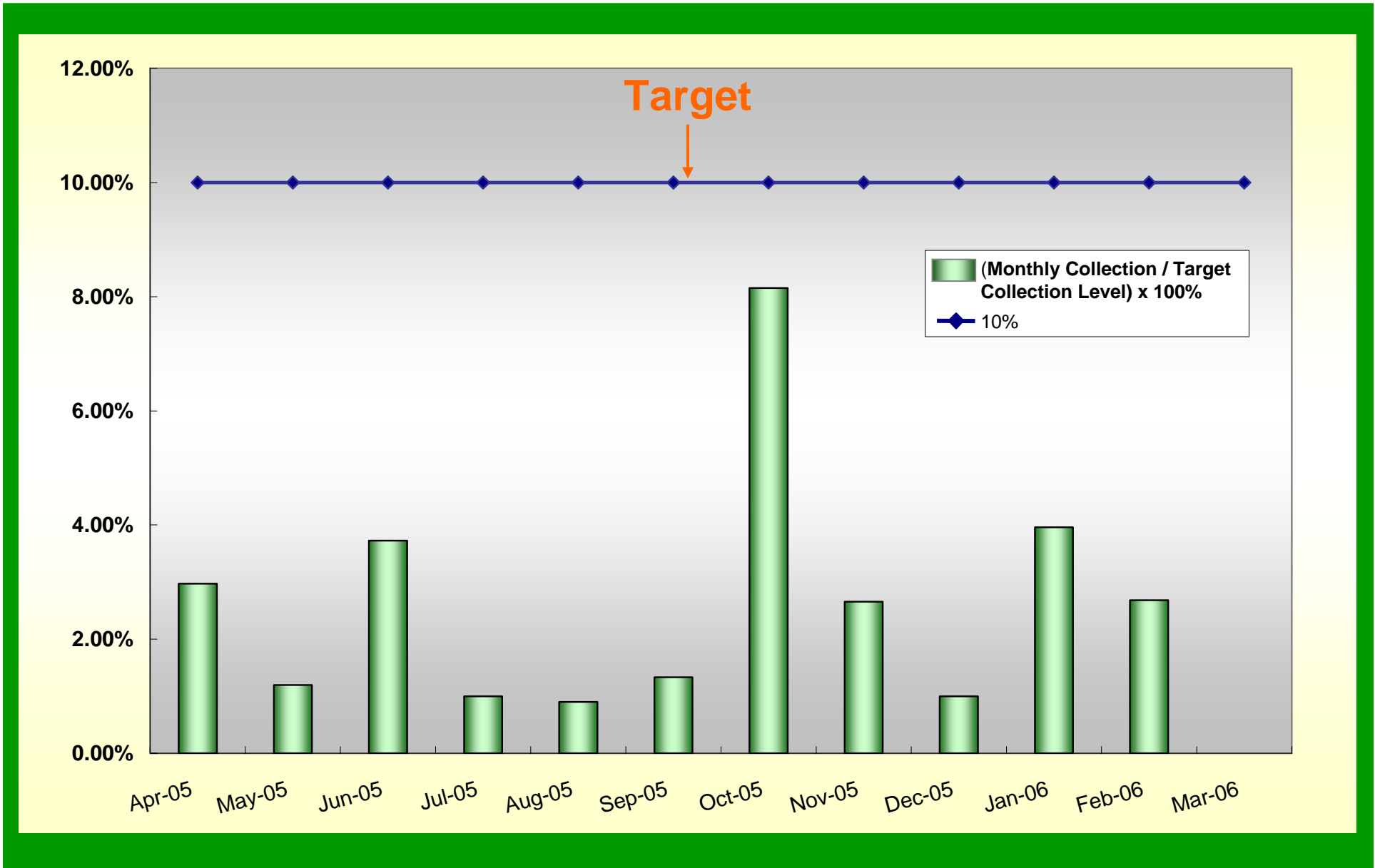
- Combine shipment with the programme
NEC-Tokin (250kg collected in Feb 06)
MTRC (1000kg to be collected in Mar 06)
CLP (quantity to be confirmed)
- Under discussion
Customs, EMSD, KCRC, West Harbour
Tunnel

Results (Apr 05 – Feb 06)

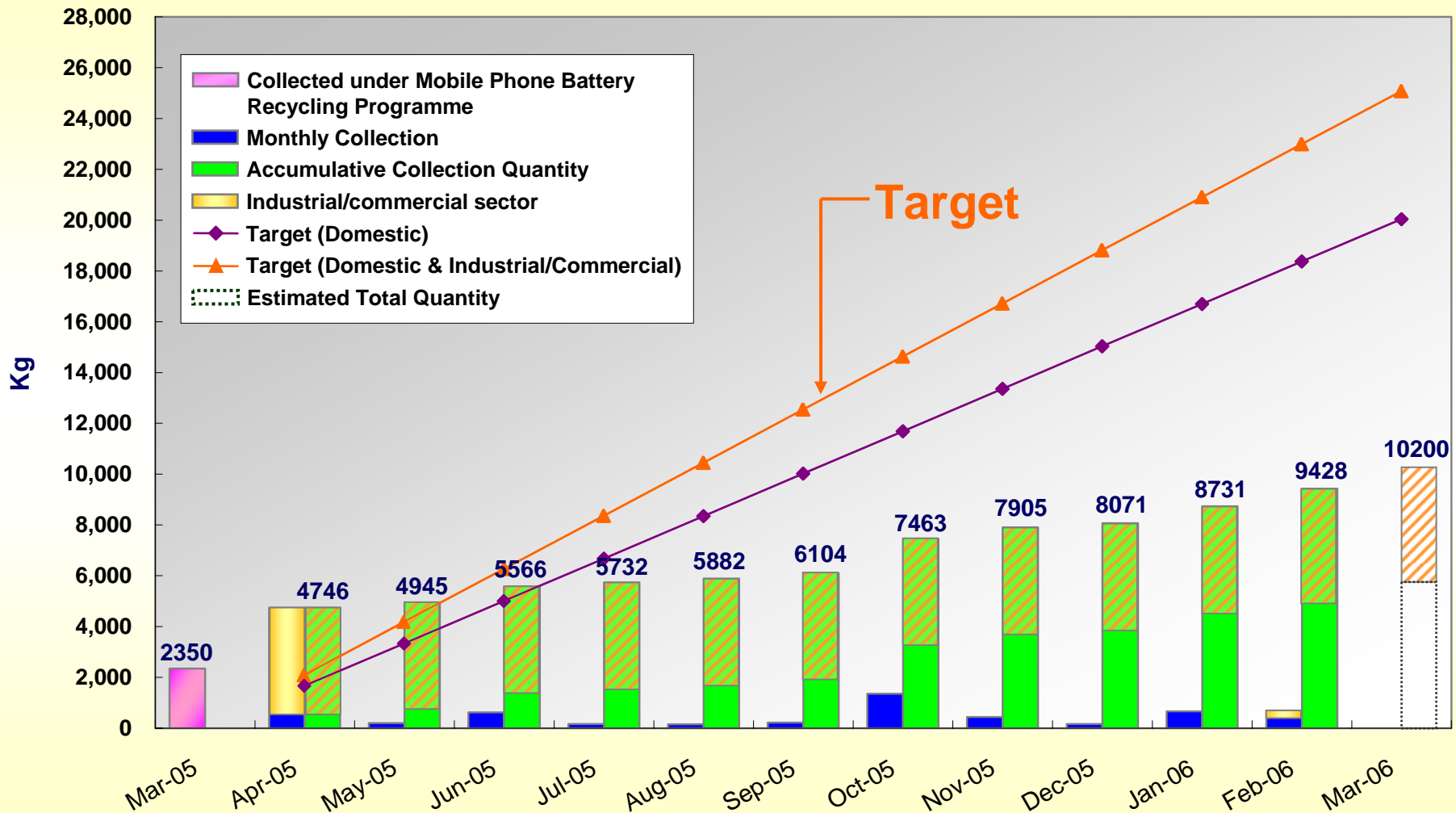


- About 5.2 tonnes of rechargeable batteries are collected from the community in the first 10.5 months (recovery rate : 2.5%) and 4.5 tonnes were collected from the industrial sector. The total recovery rate is 4.5%.
- The programme aims to achieve a recovery rate of 10% in 2 years

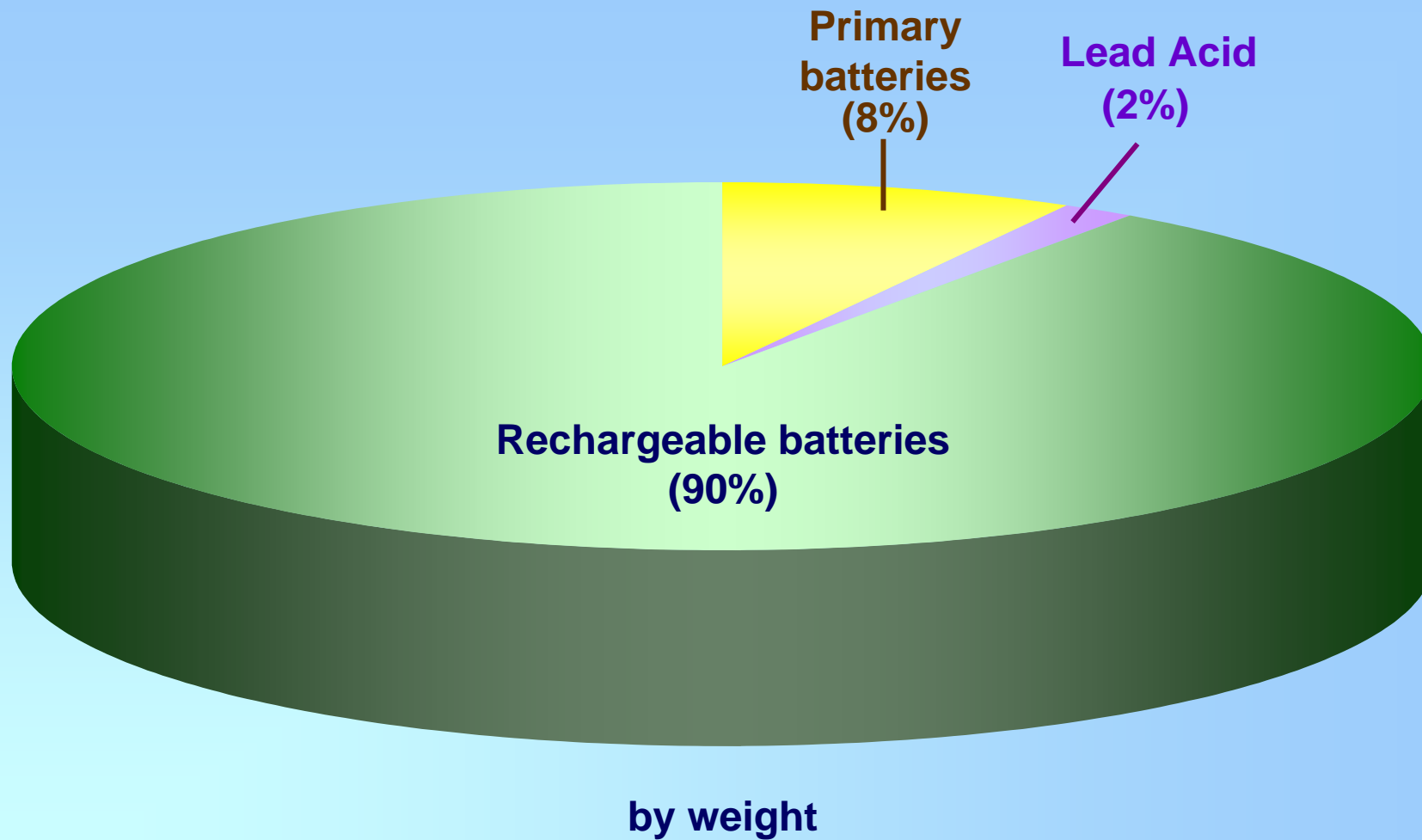
Collection Rate of Battery from Domestic sector (as at 15.2.06)



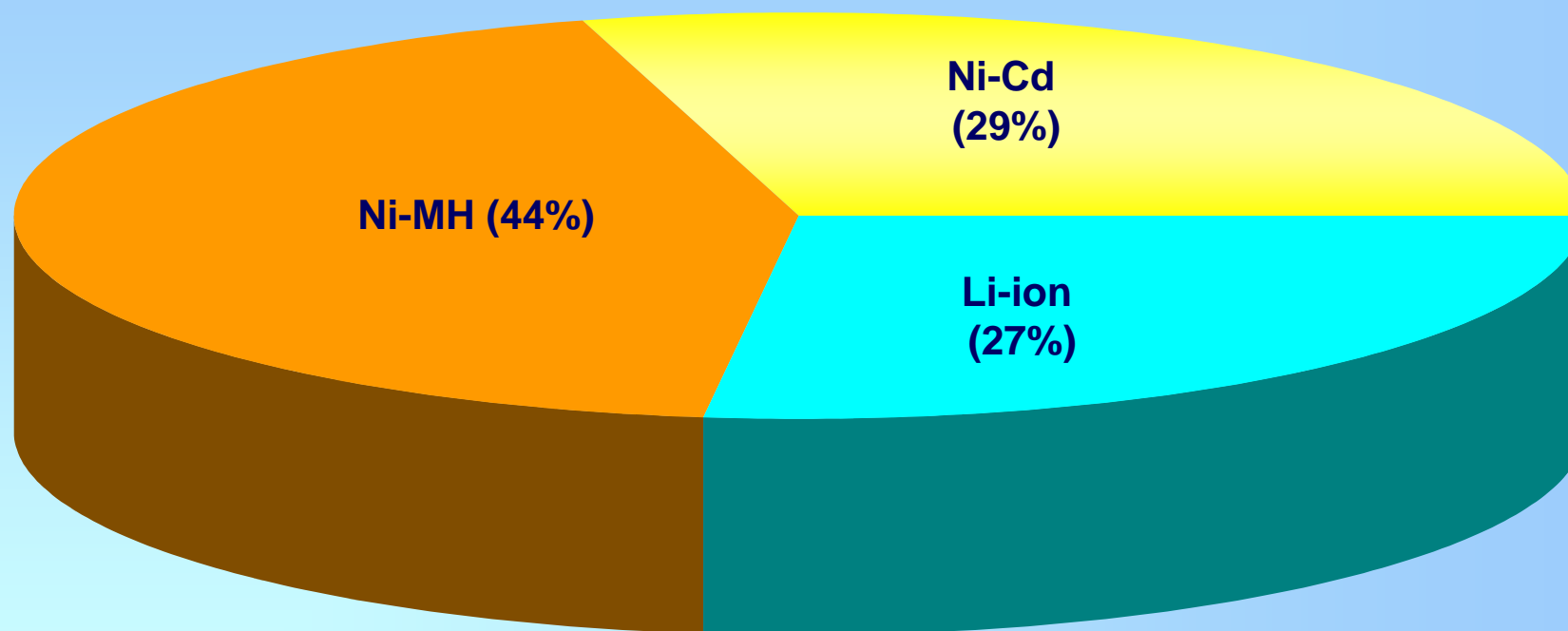
Cumulative Weight of Battery Collected from Domestic and C & I sectors (as at 15.2.2006)



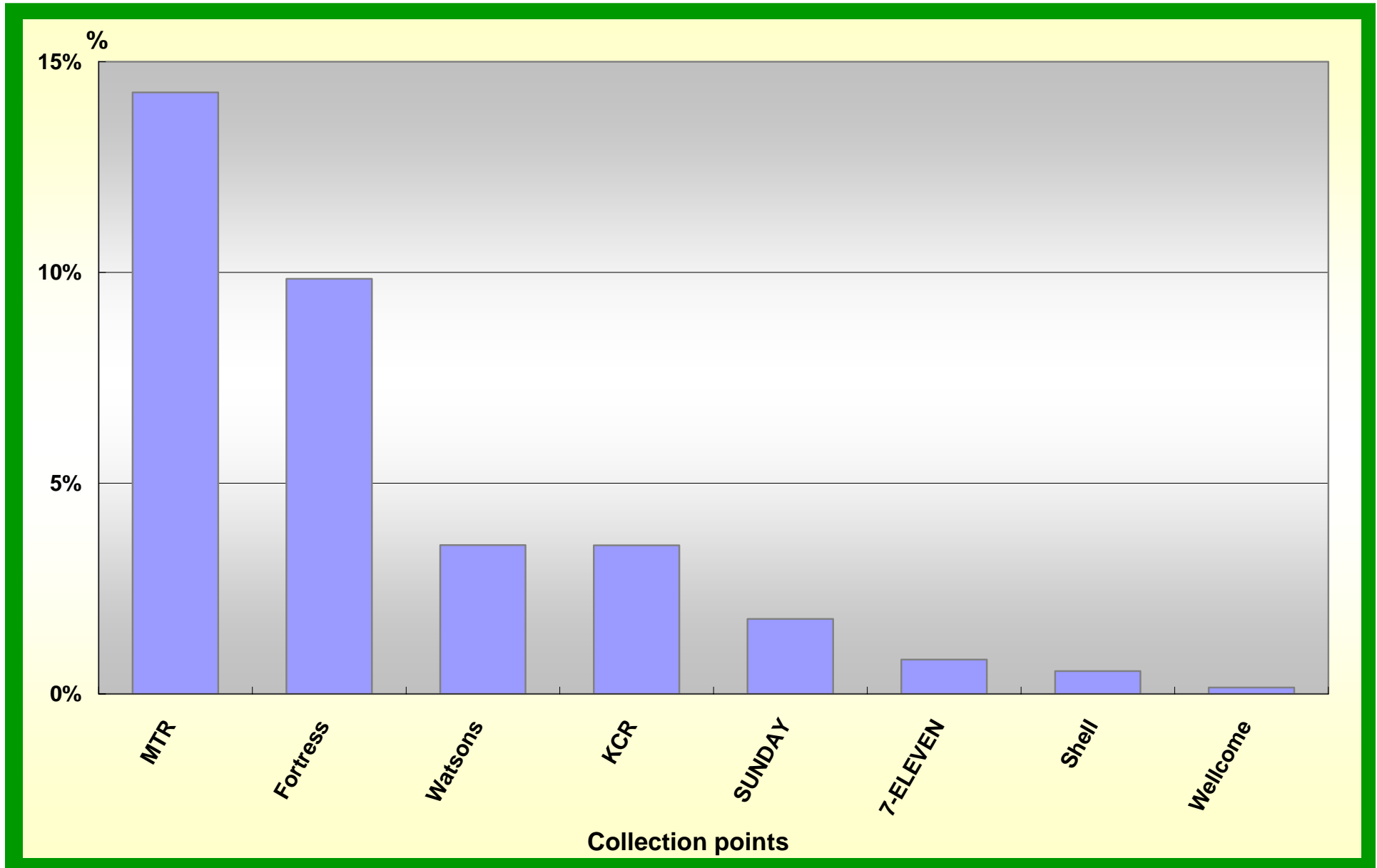
Types of Batteries Collected in the Bins (as at 15.2.06)



Rechargeable Batteries Collected by Types (as at 15.2.06)



Battery Recovered Quantity By Collection Points (as at 15.2.06)





First Shipment – 11.4.06

- Up till now, there are totally 12 tonnes of rechargeable batteries being stored in the Chemical Waste Treatment Centre. About 45% (by weight) are collected from community and 55% (by weight) are collected from industrial sectors.





First Shipment – 11.4.06

Appoint Kobar as the recycler from 15.3.06 to 14.3.07

Type of Battery	Kobar (HK\$/tonne)
Li-ion	\$ 0 → [\$1,560]
NiMH	\$ 780 → [\$7,800]
NiCd	\$ 780
Ind NiCd	
Without electrolyte	\$ 1,560
With electrolyte	\$ 2,340

[] means Kobar pays to the Rechargeable Battery Recycling Programme.



Highlight of Publicity Programmes



	Apr05	May05	Jun05	Jul05	Aug05	Sept05	Oct05	Nov05	Dec05	Jan06	Feb06
EPD (\$1.1M)						 Pls click					
				 Pls click						 Pls click	 Pls click
Trade (\$.2M)							 Pls click				
							 Pls click				
								 Pls click			



Agenda Item No. 2

Report on latest financial position

by Green Power

Financial Position



Description of Items		Estimated	Amount Spent
Contribution from 34		510,000	
1	Masking Tape (1000 pcs)	1,150	1,150
2	Collection from 35 central points on 12/5/2005 & 20/5/2005 and Processing Service	7,700	7,849
3	Collection from 35 central points on 8/6/2005 and Processing Service	7,700	3,236
4	Collection from 15 central points on 23/6/2005 and Processing Service	3,000	3,014
5	Collection from 35 central points on 7/7/2005 and Processing Service	7,700	6,521.2
6	Collection from 15 central points on 27/7/2005 and Processing Service	3,000	2,816.8
7	Collection from 35 central points on 10/8/2005 and Processing Service	7,700	5,701.2
8	Collection from central points on 24/8/2005, 9/9/2005, 23/9/2005	9,000	7,642
9	Collection from 1 special point on 12/10/2005	10,000	11,642
10	Collection from central points on 14/10/2005, 27/10/2005	9,000	8,898

Financial Position (Cont'd)



Description of Items		Estimated	Amount Spent
11	Collection from central points on 11/11/2005, 25/11/2005	9,000	9,447.2
12	Collection from central points on 8/12/2005, 21/12/2005	9,000	
13	Collection from central points on 6/1/2006, 19/1/2006	9,000	
14	Collection from central points on 9/2/2006, 20/2/2006	9,000	
15	Collection from 1 special point on 15/2/2006	3,500	
16	Collection Services to central points (March – April 06) and Processing Service	18,000	
17	Export and Recycling	23,000	
18	Sponsor the prize for school competitions	30,000	26,925.2
19	Advertise on 25 buses' body and 5 trams' body for 1 month	110,000	110,125
20	Display poster in all MTR stations for 1 week	56,000	57,953
21	Survey on Rechargeable Battery Recycling Programme	32,500	32,500
Total		374,950	295,421



Agenda Item No. 3

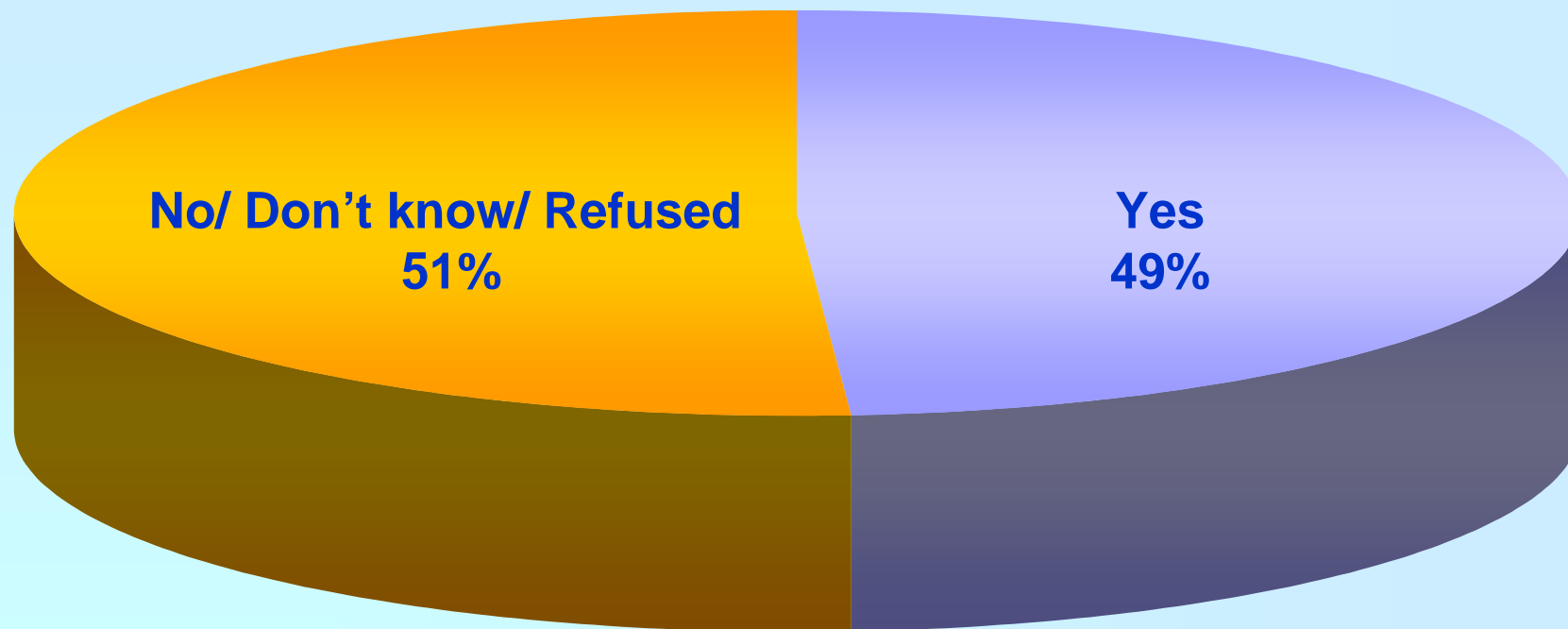
Telephone Survey on the Rechargeable Battery Recycling Programme

Survey



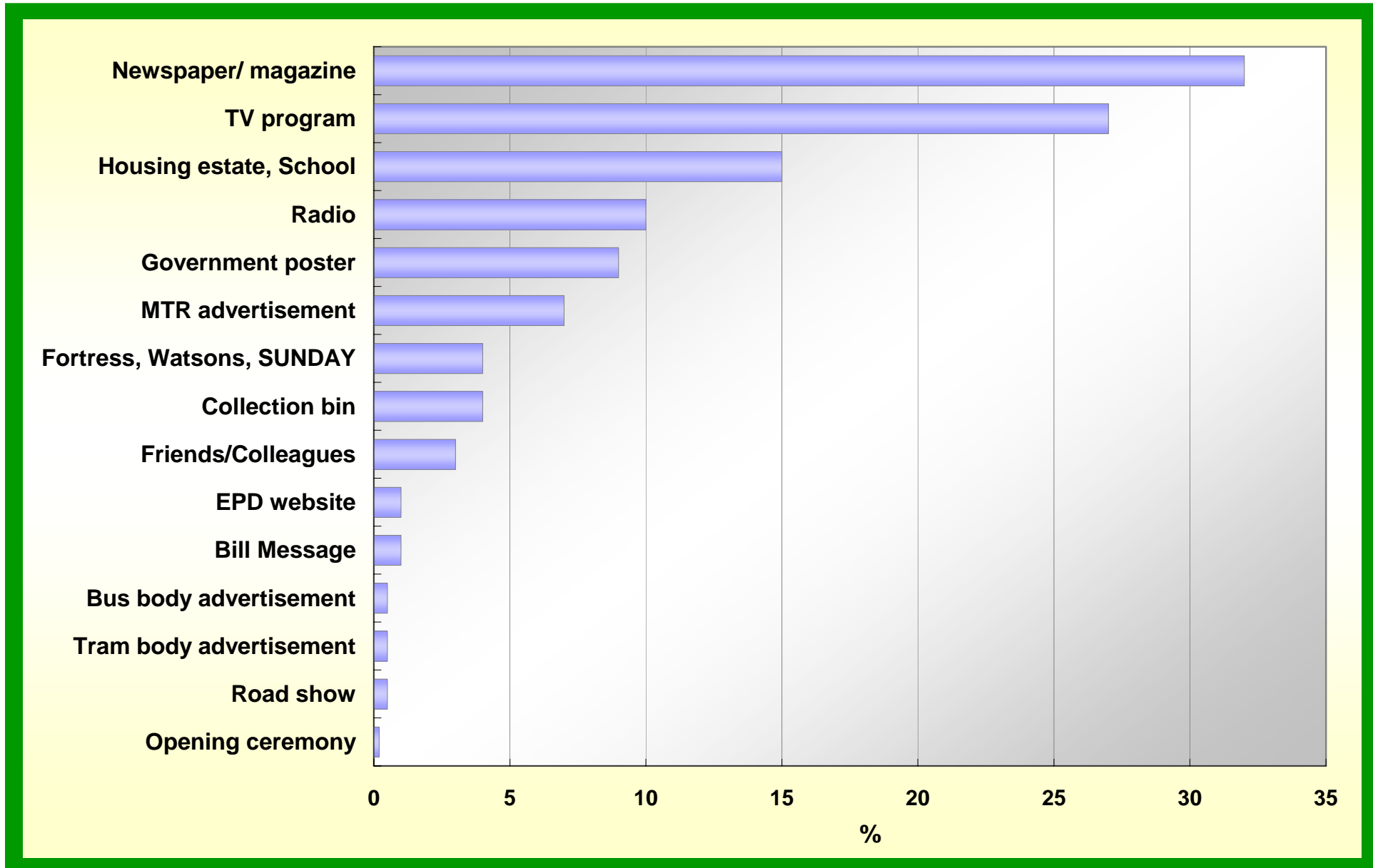
- Employ CityU to conduct a telephone survey in Jan 2006.
- Objectives
 - Assess the awareness of the programme
 - Assess the participation of the programme

Survey Findings – Awareness of the Programme

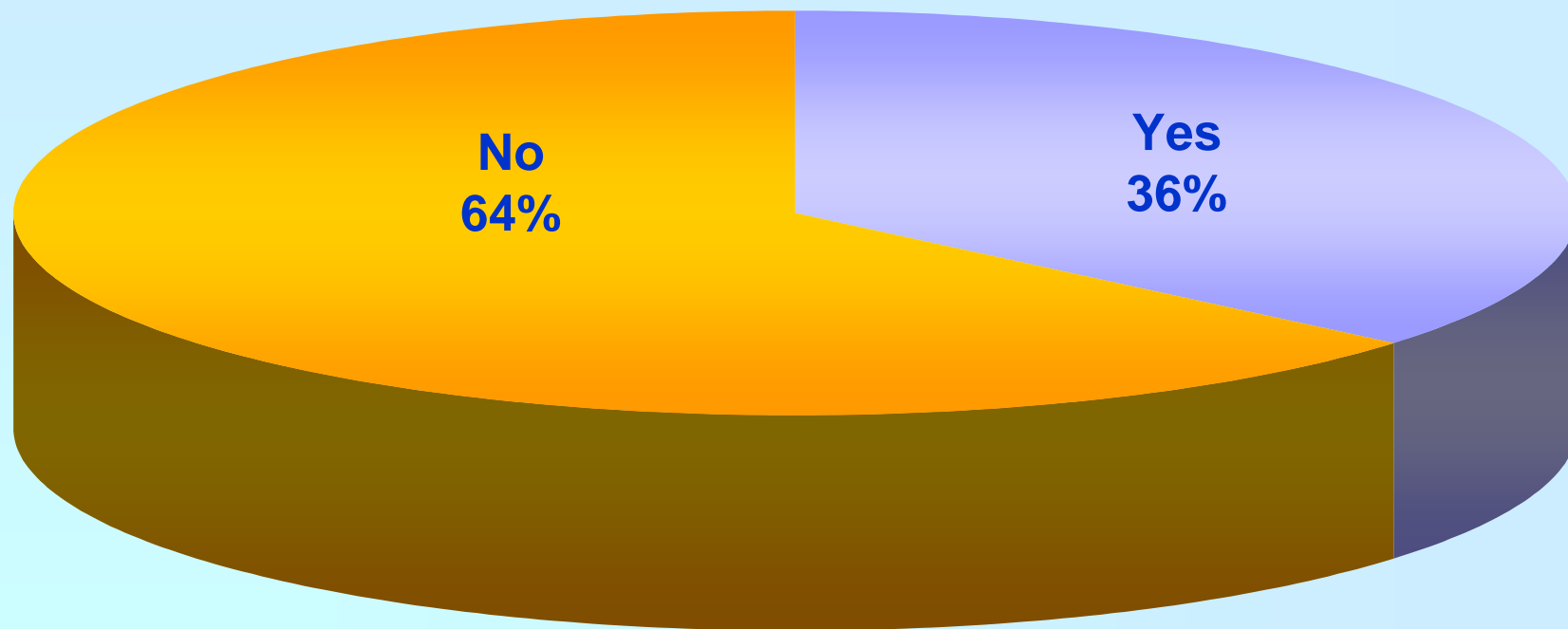


The survey on Mobile Phone Battery Recycling Programme conducted in 2002 showed that awareness level is only 23%.

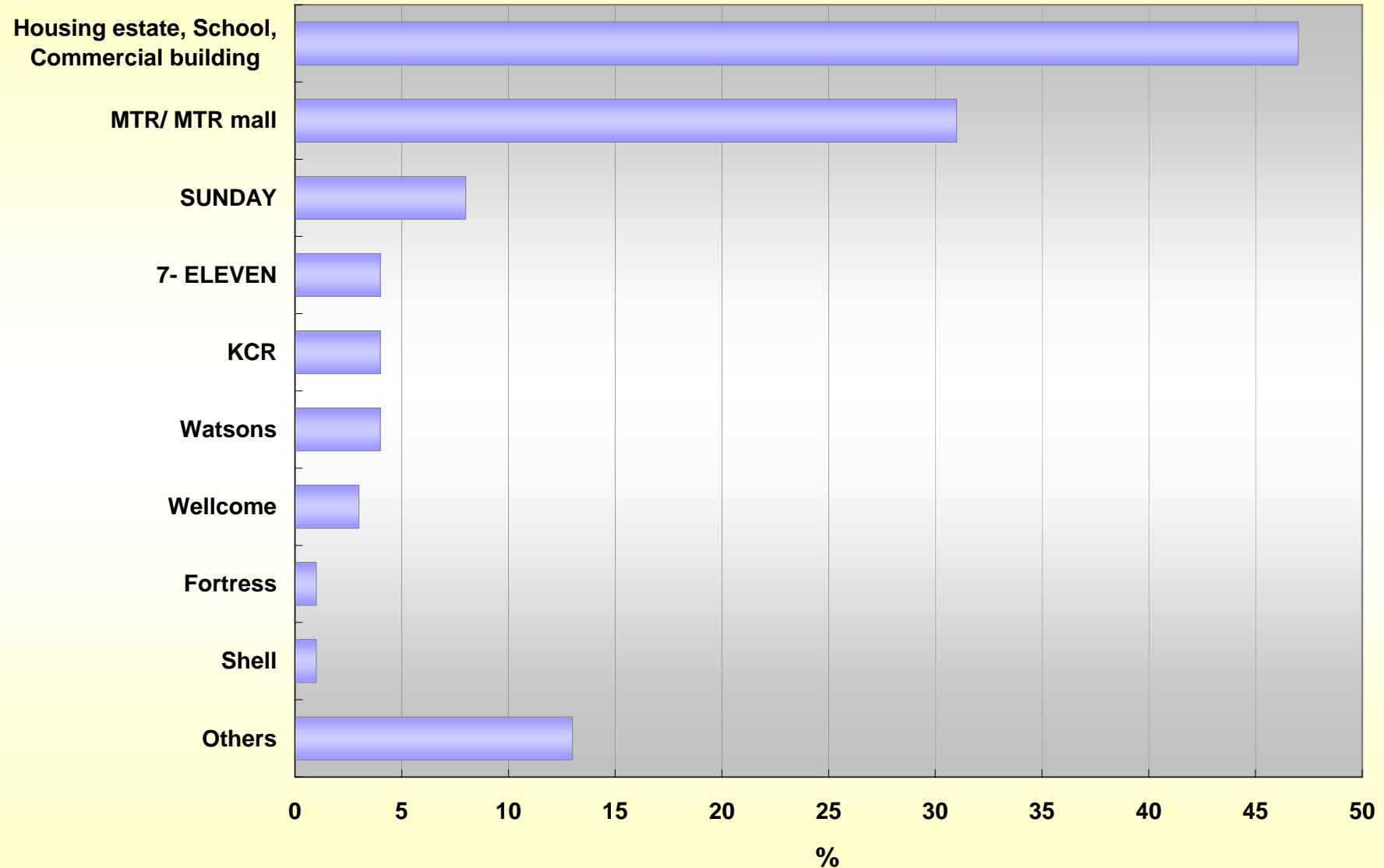
Survey Findings - Ways to know the programme



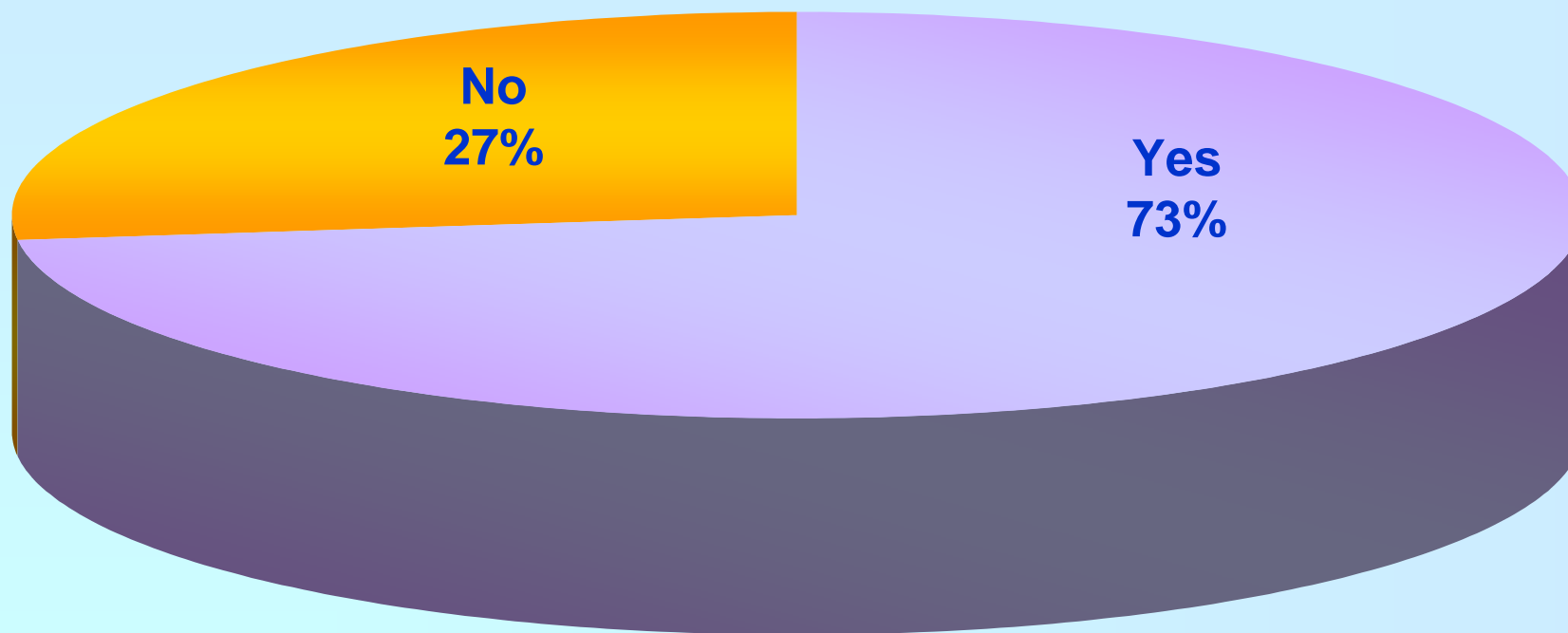
Survey Findings - Awareness of the collection points



Survey Findings – Where do people find the collection point

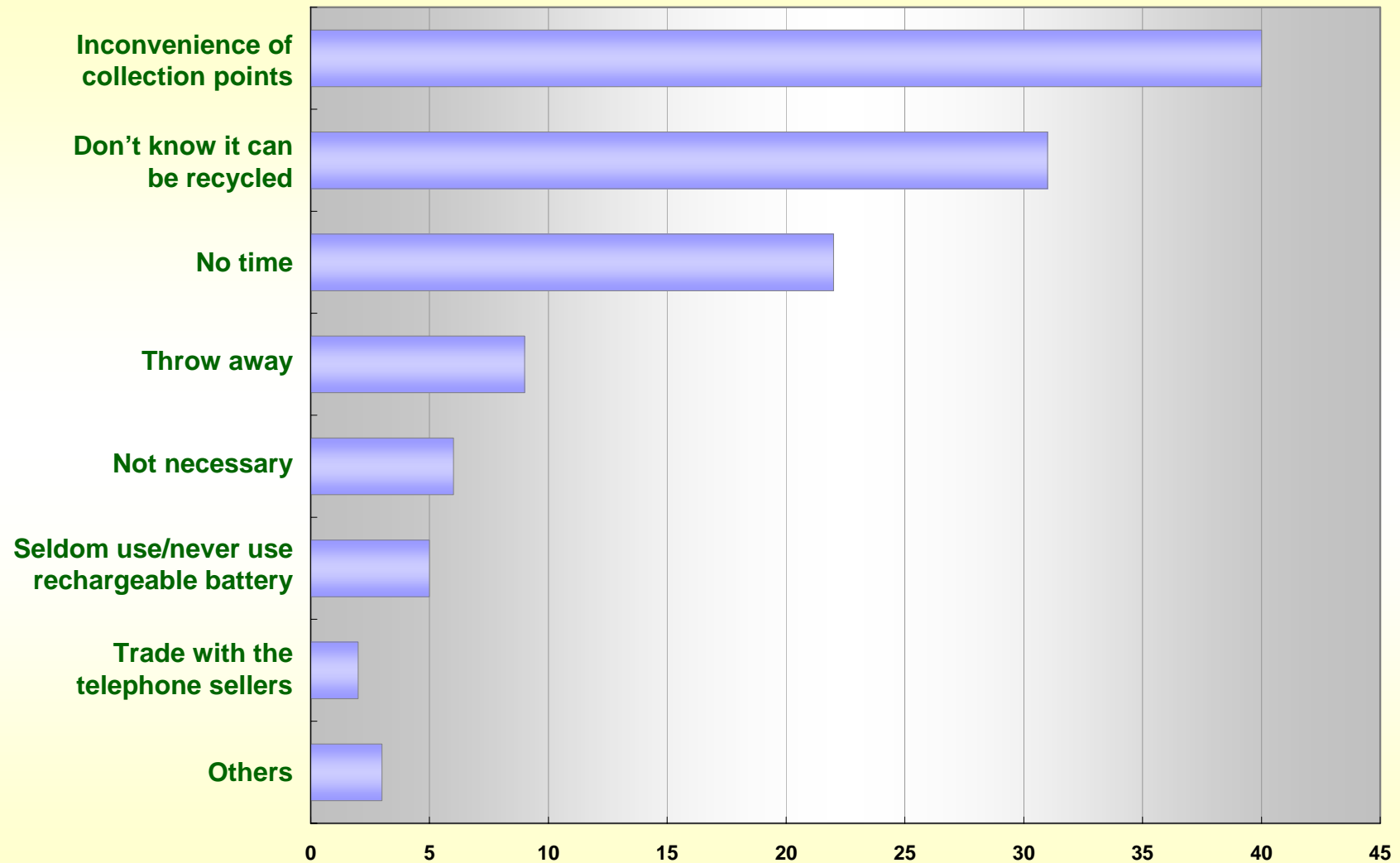


Survey Findings – Intention to recycle rechargeable batteries



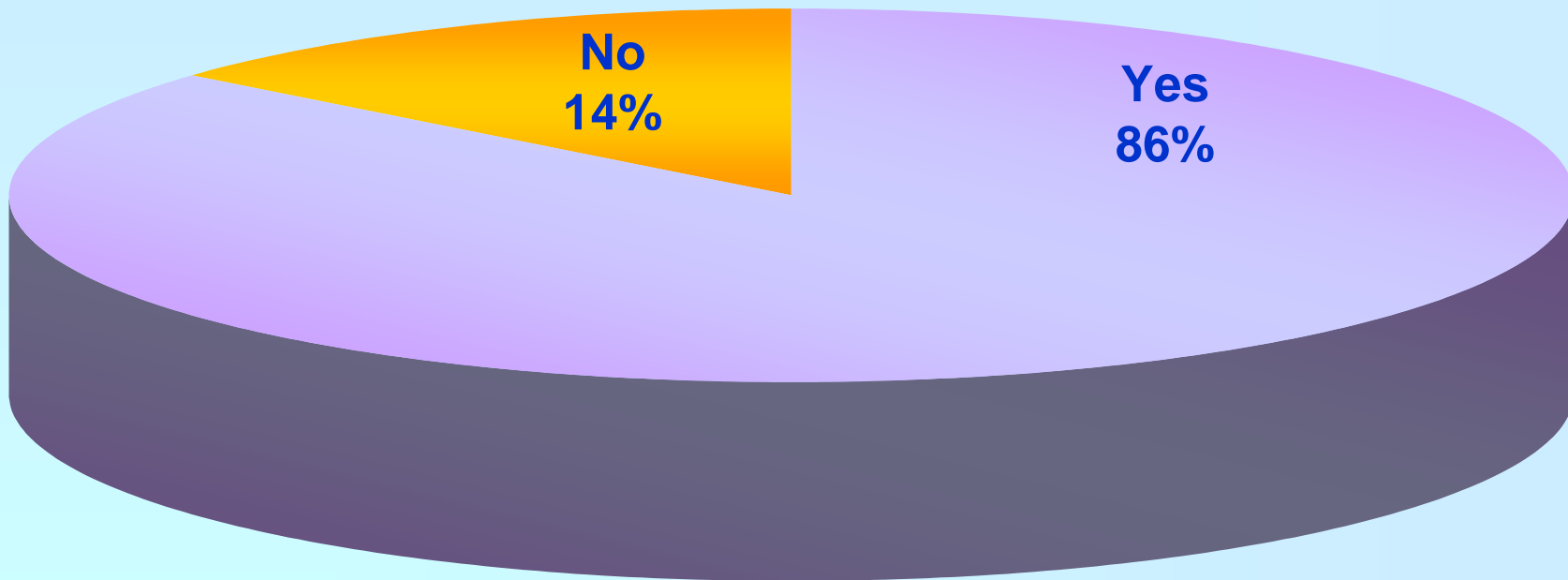
Survey on Mobile Phone Battery Recycling Programme conducted in 2002 showed that the supportive level is 95%.

Survey Findings – Reasons for not recycling



Survey Findings -

Use of Rechargeable Batteries instead of Single-use Ones





Agenda Item No. 5

Discussion Items



Discussion Paper No. 1

2006/07 Cost Sharing Proposal

2006/07 Cost Sharing Arrangements



- Estimated Budget

Activities	2005/06		2006/07 Estimated Amount
	Budget	Provisional Expense	
Collection and Sorting	\$206,000	\$120,000	\$250,000
Export and Recycling	\$94,000	\$23,000	\$ 60,000
Publicity and Education	\$210,000	\$227,000	\$340,000
Total	\$510,000	\$370,000	\$650,000

- Cost Sharing

Tier 1 - \$25,000; Tier 2 - \$5,000

2006/07 Cost Sharing Arrangements



Recommendations:

1. Tier-1 companies - \$25,000

Tier-2 companies - \$5,000

(i.e. same as last year)

2. Cancel Joining Fee

Reply Slip



To: Environmental Protection Department (Attn: Ruby Hung; Tel: 2872 1736)
Fax: 2872 0389
E-mail: rubyhung@epd.gov.hk

Reply Slip

Rechargeable Battery Recycling Programme

My company will join Tier-1 (for larger companies) Tier-2 (for smaller companies) of the Rechargeable Battery Recycling Programme
 will not join

Note : Please tick at the appropriate box.

Return by 18 March 2006

Name : _____
Company : _____
Tel No : _____
Email : _____
Date : _____

Remarks : Please complete and return this Reply Slip to EPD on or before **18 March 2006**.
Thank you.



Proposed Publicity Plan for 2006

Proposed Publicity Plan (2006)



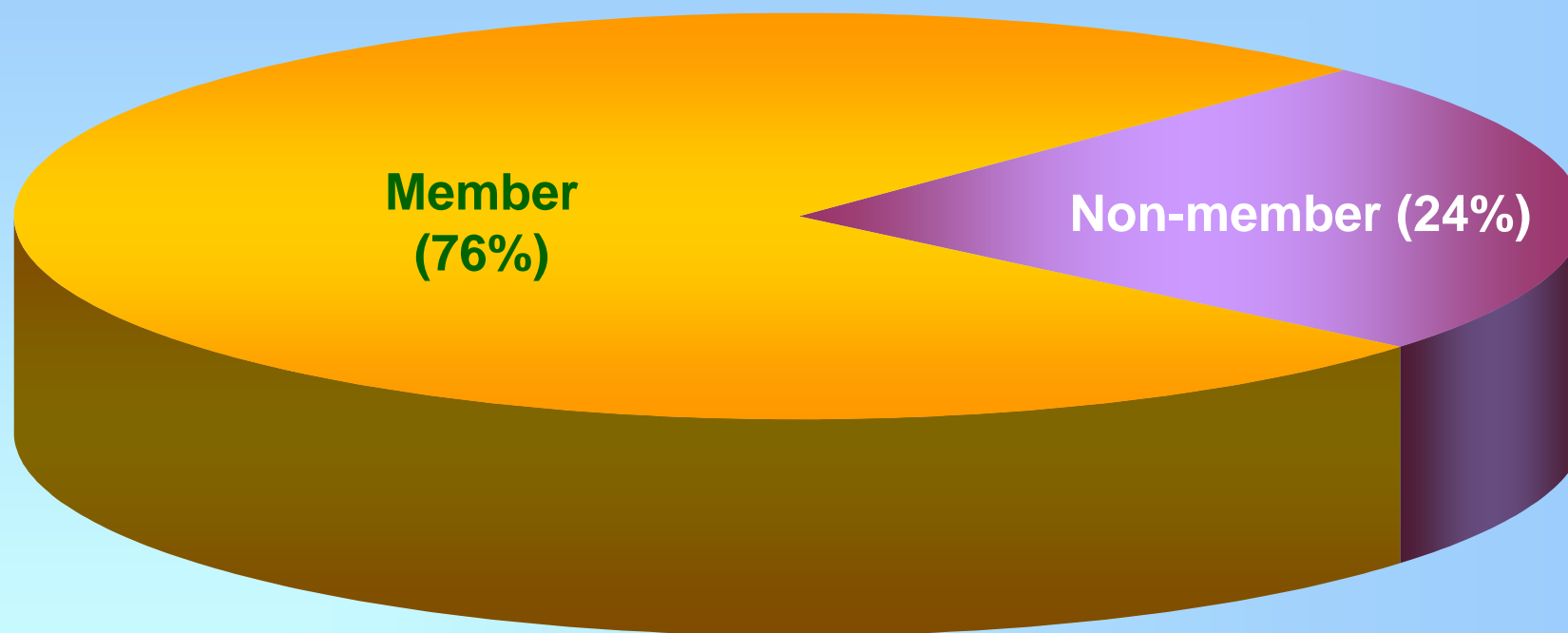
	EPD (\$600,000 + airtime)				Trade (\$340,000)
Jan 06	Advertise on NWFB buses' TV for 11 days				
Feb 06	Display posters in some KCRC stations				
Mar 06	Launch rechargeable battery shipment and anniversary ceremony				
Apr 06	Provide education kits and display panel loan service	Display posters in government facilities (eg. recreation centres, libraries, swimming pools, markets, subways, district offices etc)	Broadcast API on TVs and Radios	Conduct at least 20 times of outreach to schools and estates (with mascots)	
May 06	Produce and printing of new posters				Advertise on Roadshow for 10 days (\$50,000)
Jun 06	Produce and manufacture of new souvenirs (eg. battery charger)				Advertise on free newspaper (1/2 page) for 3 days (\$100,000)
Jul 06	Organize recovery competition in housing estates in conjunction with "Source Separation" Programme				Advertise on SmarTV TST and Times Square for 1 week (\$60,000)
Aug 06					Advertise on all tram stations' billboards for 3 weeks (\$60,000)
Sep 06					Advertise new posters in all KCR stations for 1 week (\$60,000)
Oct 06					Conduct at least 30 times of outreach to schools and estates (with mascots)
Nov 06		Broadcast API on TVs and Radios			
Dec 06					



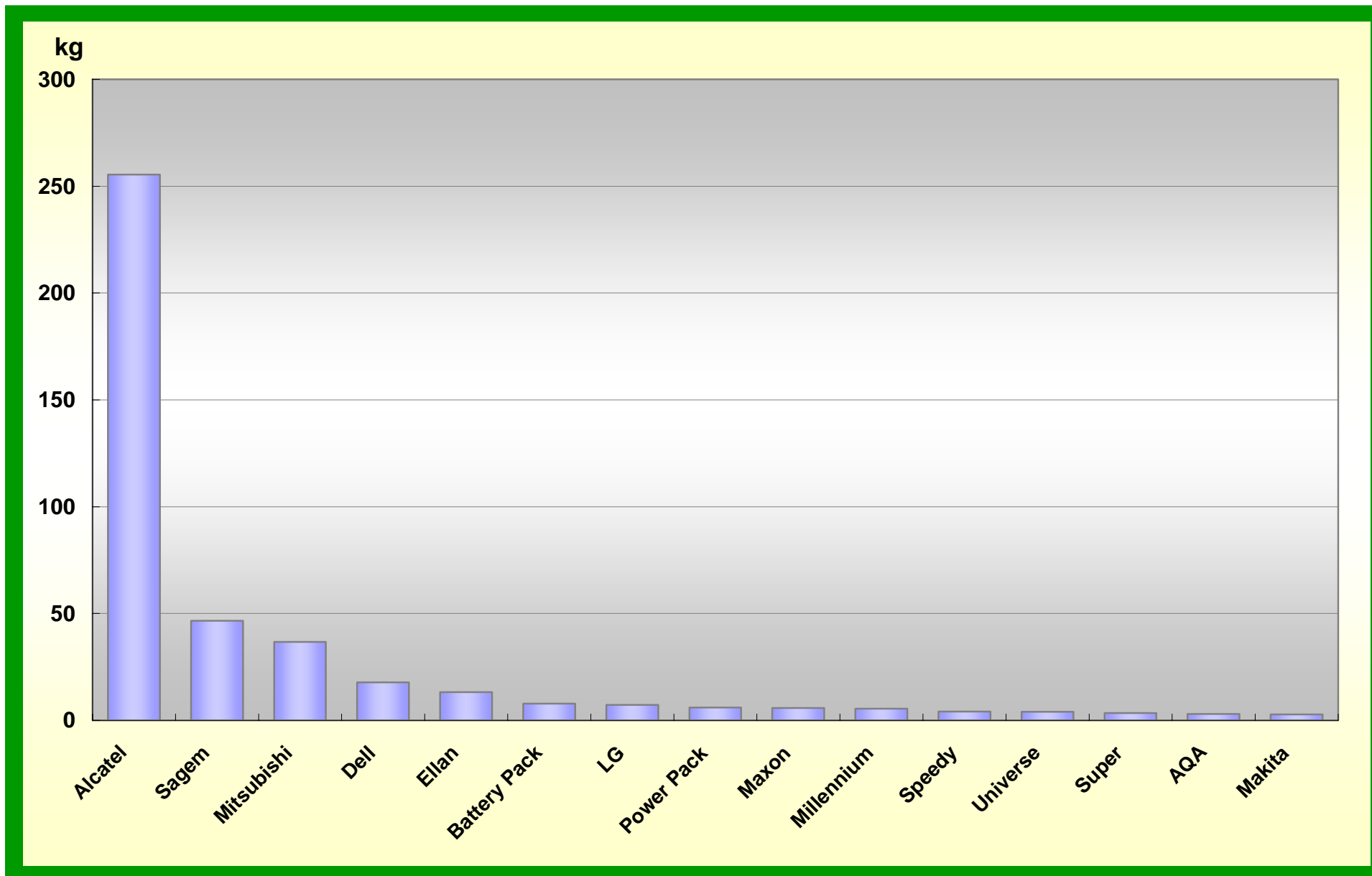
Recruitment of New Members

(Discussion paper No. 2)

Recruitment of New Members



Recruitment of New Members



Recruitment of New Members



Nikon相機充電電池全球回收

【本報訊】攝影發燒友常以相機為伴，但可用於部分藝康（Nikon）單鏡反光相機的充電式鋰離子電池EN-EL3，曾因過熱着火，全球共發生四宗意外，幸無人受傷。現時全球共售出71萬枚EN-EL3，藝康昨日展開回收行動，免費更換問題電池。

EN-EL3短路着火 釀4意外

藝康昨日公布，適用於D100、D70、D70S及D50單鏡反光相機的充電式鋰離子電池EN-EL3，可能會出現短路，導致電池過熱，甚至會着火，全球因此發生過四宗意外，但無人受傷。

藝康現正提供自願性回收及更換計劃，回收的電池生產批號以44A、46A、47A、48A、49A、4AA、4BA或4CA作開始，其餘同款電池不在回收之列。



美國消費者產品安全委員會（CPSC）指出，在中國製造的EN-EL3，全球已售出了71萬枚，建議用者應立即停止使用這款電池。

中國製造 已售出71萬枚

藝康香港市場部經理符致鑫表示，首宗意外在美國發生，亞洲暫時未有意外紀錄，相信是生產程序出現瑕疵所致。他指D100、D70及D50相機會隨機附送EN-EL3，額外購買一枚EN-EL3則需200元，暫未知香港出售數目，但從各地購買的EN-EL3亦可在港免費更換。電話查詢熱線：2902 9029。

鋰離子電池EN-EL3底部中間凹槽寫有生產批號，藝康（Nikon）提醒若屬回收批號，市民可免費更換。

（圖片由CPSC提供）

Recruitment of New Members



Recommendation:

- EPD send invitation letter again.
 - Contribution Fee same as existing members paid in the first year.
- EPD arrange meeting with the 5 major non-participating companies and persuade them to join.





Coming Soon.....

Shipment and Anniversary
Ceremony

Shipment and Anniversary Ceremony



Date : 11 April 2006 AM

Venue : Chemical Waste Treatment Centre,
Tsing Yi



Shipment and Anniversary Ceremony



- EPD will invite all participating companies and supporting companies/organizations to attend the ceremony.
- Please mark it down on your diary.



Shipment and Anniversary Ceremony



Proposed Rundown :

- Invite producers and importers to sign on a board printed with their company logo (Tier 1) or name (Tier 2).
- Invite collection point supporting companies to stick a collection box sticker on a board printed with their company logo.
- Present certificate to ind/comm battery waste producers who commit to combine shipment with the programme.
- Official of EPD to put on the container seal lock.
- Photo Taking.



A.O.B.

Rechargeable Battery Recycling Programme

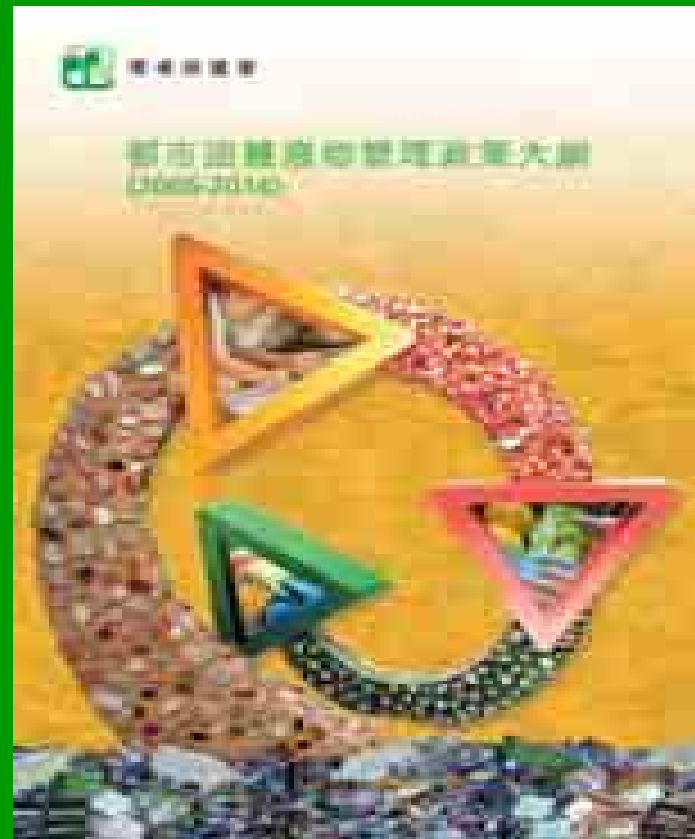
Proposal for Composition of 2006/07 Working Group



- Convenor & Deputy Convenor – Trade
- Secretariat – EPD
- Members – Trade, Green Groups, EPD
- Finance Management – Green Power
- Collection Contractor – Dunwell Envir Mgt Co Ltd
- Recycler – Kobar Co Ltd



PRS for Rechargeable Batteries





The End