

‘Green Public Procurement and Eco – labelling in Taiwan’



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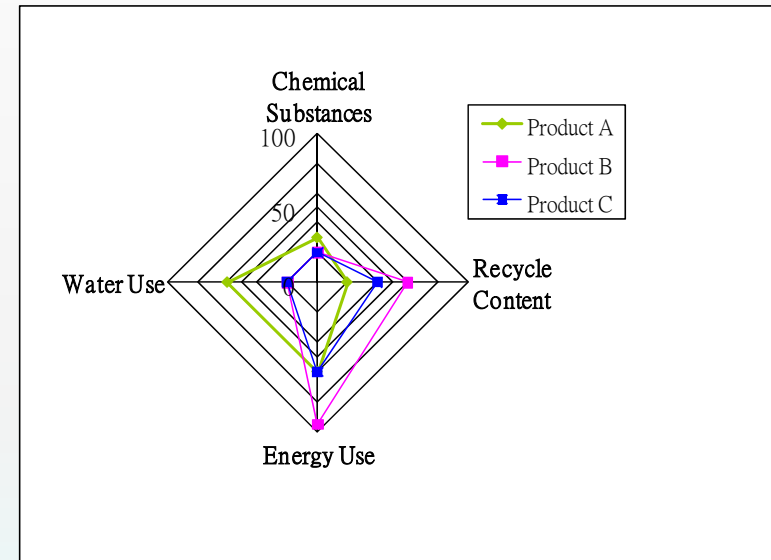
Outline

- ◆ Ecolabelling Scheme in Taiwan
- ◆ “Green Article” in Taiwan Government Procurement Act
- ◆ Monitoring on GPP Performance
- ◆ Benefits created
- ◆ Conclusion



Why Ecolabelling ?

- To provide simplified environmental information
- Easier for consumers to choose “green” products
- Avoid Wash-Green
- Provide economic incentive to manufactures



Why Ecolabelling ?

Purpose of Labels & Claims

Communicate
Information

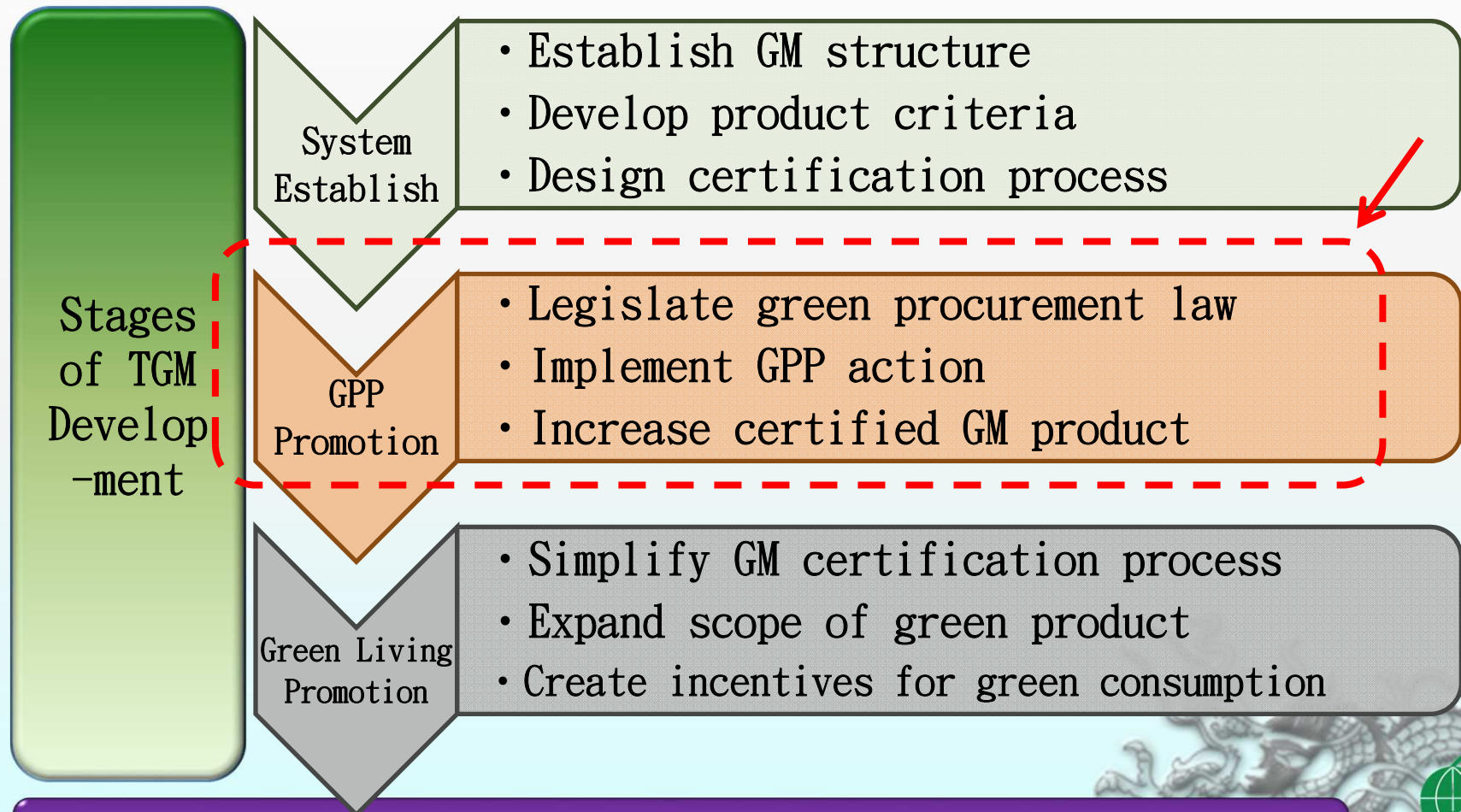


Influence
Purchasing
Decision

Money Pit or
Treasure
House?



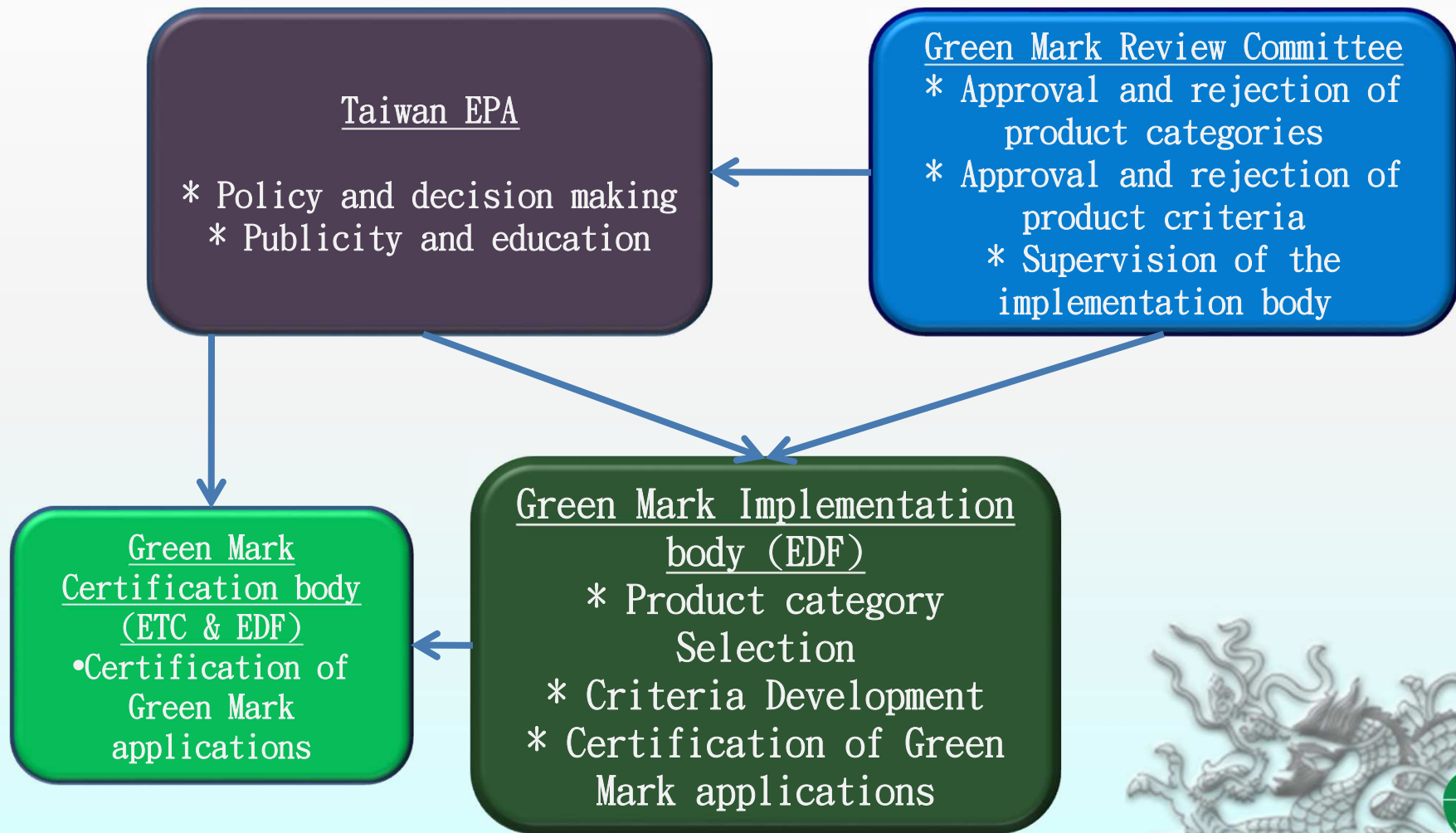
Stages of TGM Development



Strategy : System Establish → Focus on group buyer → Expand to everyone

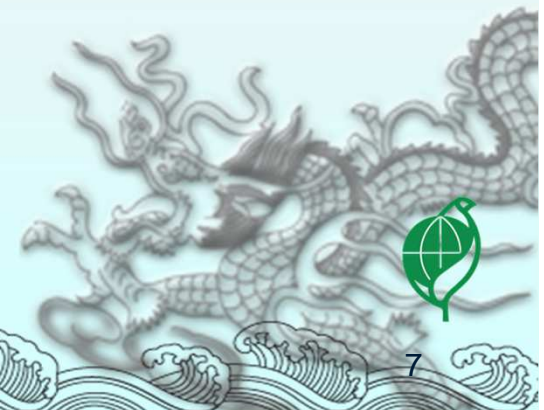


Green Mark Program Organizational Structure



Green Mark Program

- Government Owned Label, EDF is contracted by EPA
- Since 1993
 - 150 criteria published (including 8 services)
 - Licensed Products: 13279 (accumulated) , 5317 (valid)
 - Licensee: 1327
 - production value at 2.5 billion U\$
- Certificate valid for 3 years
- Major incentive for manufacturers : GPP





Product Categories (accumulated)

Subgroup	Criteria	Subgroup	Criteria
Recycled and Reused Products	15	Office Equipments	14
Cleaning Agents	9	Biodegradable Products	7
IT Products	19	Products from Organic Matter	2
Home Appliances	20	Building Materials	13
Water-saving Products	4	Commodities	22
Energy-saving Products	14	Industrial Products	4
Products using Solar Energy	1	Services	8

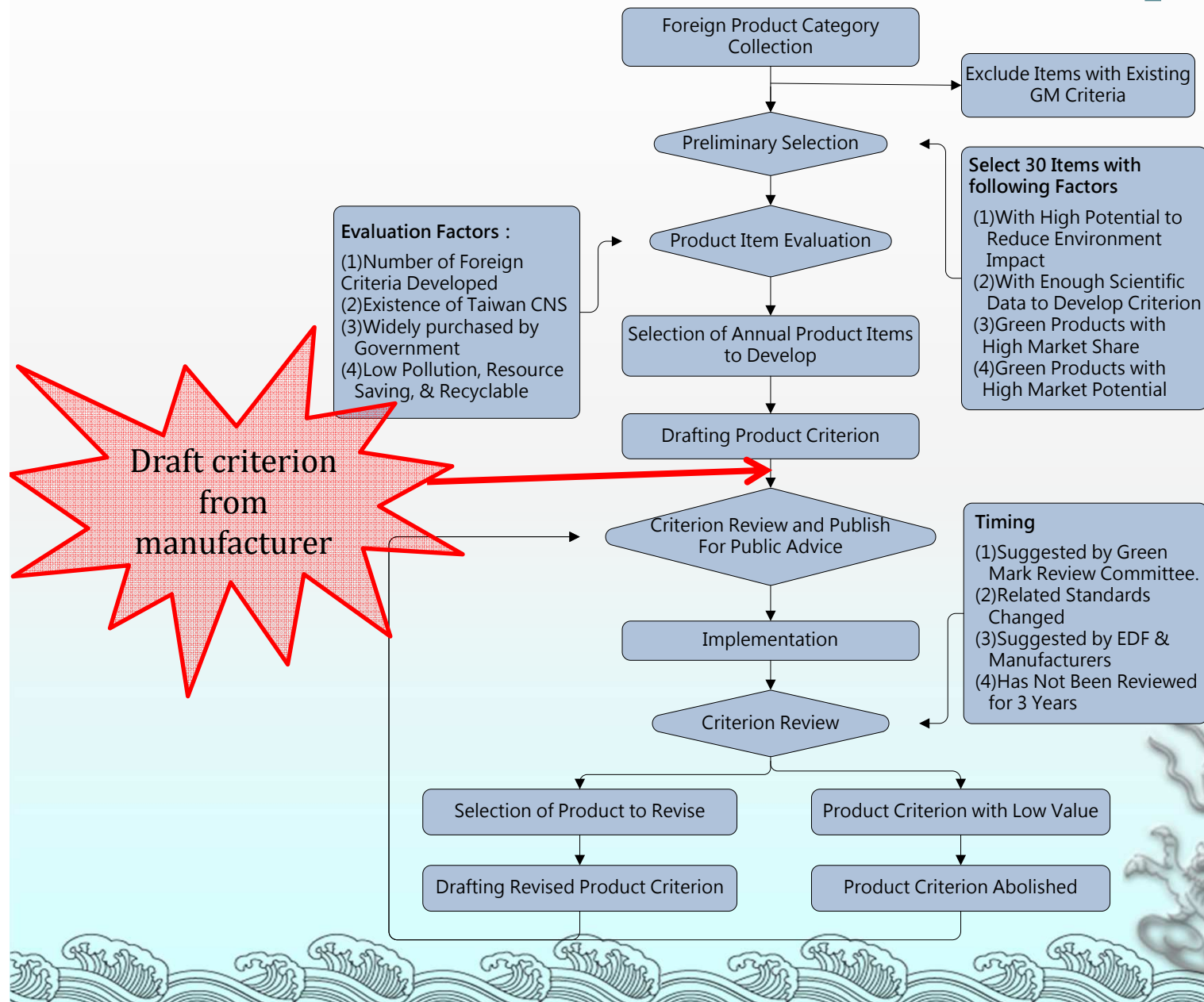


Item Selection for Criteria Development

- Follow ISO 14024 requirements.
- Refer to item selection SOP of foreign type 1 ecolabel systems.
- Select product items for following 3 years, still review every year.
- Select 10~12 new items every year
- Must consult manufacturers
- Open for public advise
- ***Manufacturers' association can also provide draft criterion***



Item Selection for Criteria Development




Criteria Newly Developed & Revised

Developed in 2016	Revised in 2016
Bioplastic	Recycled Office Automation Paper
Master for Duplicator	Products made from recycled wood
Dish Washing Machine	Paints
Recreation Center	Duplicators
Air filter	Wires and Cables
Cast Resin Busway System	Induction Cookers
LED Display Board	Ink
Adapter & Charger	Portland Blast Furnace Cement
	Cleaning Products for Skin and Hair
	Fluorescent Lamps
	Hotels



Criteria Development

<div></div> <div>Green Mark</div>	Portable Projectors	General No. : 82								
		Classified No. : M-13								
<div>1. Scope</div> <p>This standard is applicable to portable projectors (“products”).</p> <div>2. Terms and definitions</div> <p>For this standard, the following terms and definitions shall apply.</p> <p>Disassemblability: Referring to the requirement of Designed for Disassembly in Section 7.4 of <i>CNS 14021 Environmental labels and declarations -- Self-declared environmental claims (Type II environmental labelling)</i>, the term “disassemblability” means the product with parts and components of different materials can be disassembled and separated using regular tools (such as a screwdriver) during the product’s end-of-life treatment process.</p> <div>3. Product characteristics</div> <div>3.1 Under normal operating conditions, the product shall meet the following power consumption requirements:</div> <table><tr><th>Specification (ANSI lux)</th><th>Standard power consumption</th></tr><tr><td>measured value ≤ 1500 ANSI lux</td><td>< 20 W/ 100 ANSI lux</td></tr><tr><td>2500 ANSI Lux ≥ measured value > 1500 ANSI lux</td><td>< 15 W/ 100 ANSI lux</td></tr><tr><td>Measured value > 2500 ANSI lux</td><td>< 10 W/ 100 ANSI lux</td></tr></table> <div>3.2 The product’s power consumption during the stand-by mode shall be less than 5 watts.</div> <div>3.3 The product shall be disassemblable.</div>			Specification (ANSI lux)	Standard power consumption	measured value ≤ 1500 ANSI lux	< 20 W/ 100 ANSI lux	2500 ANSI Lux ≥ measured value > 1500 ANSI lux	< 15 W/ 100 ANSI lux	Measured value > 2500 ANSI lux	< 10 W/ 100 ANSI lux
Specification (ANSI lux)	Standard power consumption									
measured value ≤ 1500 ANSI lux	< 20 W/ 100 ANSI lux									
2500 ANSI Lux ≥ measured value > 1500 ANSI lux	< 15 W/ 100 ANSI lux									
Measured value > 2500 ANSI lux	< 10 W/ 100 ANSI lux									
<div>Date of Approval</div> <div>2 0 0 2 / 1 2 / 0 5</div>	<div>Environmental Protection Administration,</div> <div>Executive Yuan,R.O.C.(Taiwan)</div>	<div>Date of Revision</div> <div>2 0 1 4 / 1 / 3</div>								

4. Materials, accessories and components

4.1 The product's plastic components weighing more than 25 g shall meet the requirements of ISO 11469, in labelling all major plastic components in prominent areas to indicate the composition code.

4.2 The product's plastic parts weighing more than 25 g shall meet the following requirements:

(1) content of cadmium, lead, hexavalent chromium and mercury shall be below the regulatory limit. If recycled materials are used in the plastic components, or safety regulations require the addition of glass fiber to the components located in the high temperature area, the lead content of such components shall be less than 20 ppm.

(2) content of the following flame-retardants shall be below the regulatory limit:

(i) polybrominated biphenyls (PBBs);

(ii) polybrominated diphenylethers (PBDEs): monobrominated diphenylether, dibrominated diphenylether, tribrominated diphenylether, tetrabrominated diphenylether, pentabrominated diphenylether, hexabrominated diphenylether, heptabrominated diphenylether, octabrominated diphenylether, nanobrominated diphenylether, decabrominated diphenylether; and

(iii) chloroparaffins with 10-13 carbon atoms per molecule and chlorine content of greater than 50% by weight.

5. Test methods and regulatory limits

The applicable test methods and regulatory limits for this standard are listed below.

Applicable Part	Regulated Substance	Regulatory Limit	Referenced Test Method
Plastic	cadmium	< 2 ppm*	NIEA M104 NIEA M105 US EPA 3051A US EPA 3050B

Criteria Development

Plastic	lead	< 2 ppm	NIEA M104 NIEA M105 US EPA 3051A US EPA 3050B
Plastic	hexavalent chromium	< 3 ppm	NIEA T303 US EPA 3060A US EPA 7196A
Plastic	mercury	< 2 ppm*	NIEA M317 NIEA M318 US EPA 7471B US EPA 7473
Plastic	polybrominated biphenyls (PBBs)	< 10 ppm*	US EPA 3540C US EPA 8081A US EPA 8082A US EPA 8270D
Plastic	polybrominated diphenylethers (PBDEs)	< 10 ppm*	US EPA 3540C US EPA 8081A US EPA 8082A US EPA 8270D
Plastic	chloroparaffins with 10-13 carbon atoms per molecule	< 10 ppm	US EPA 3540C US EPA 8081A US EPA 8082A US EPA 8270D

*: The test report shall provide evidence that the employed test methods have detection limits of less than 1/3 of regulatory limits.

6. Labeling

6.1 The name, address and consumer hotline of the Green Mark user shall be clearly printed on the product or its packaging.

6.2 The product or packaging shall bear a label reading "Energy Saving" and "Reduce Ozone Layer Destruction".

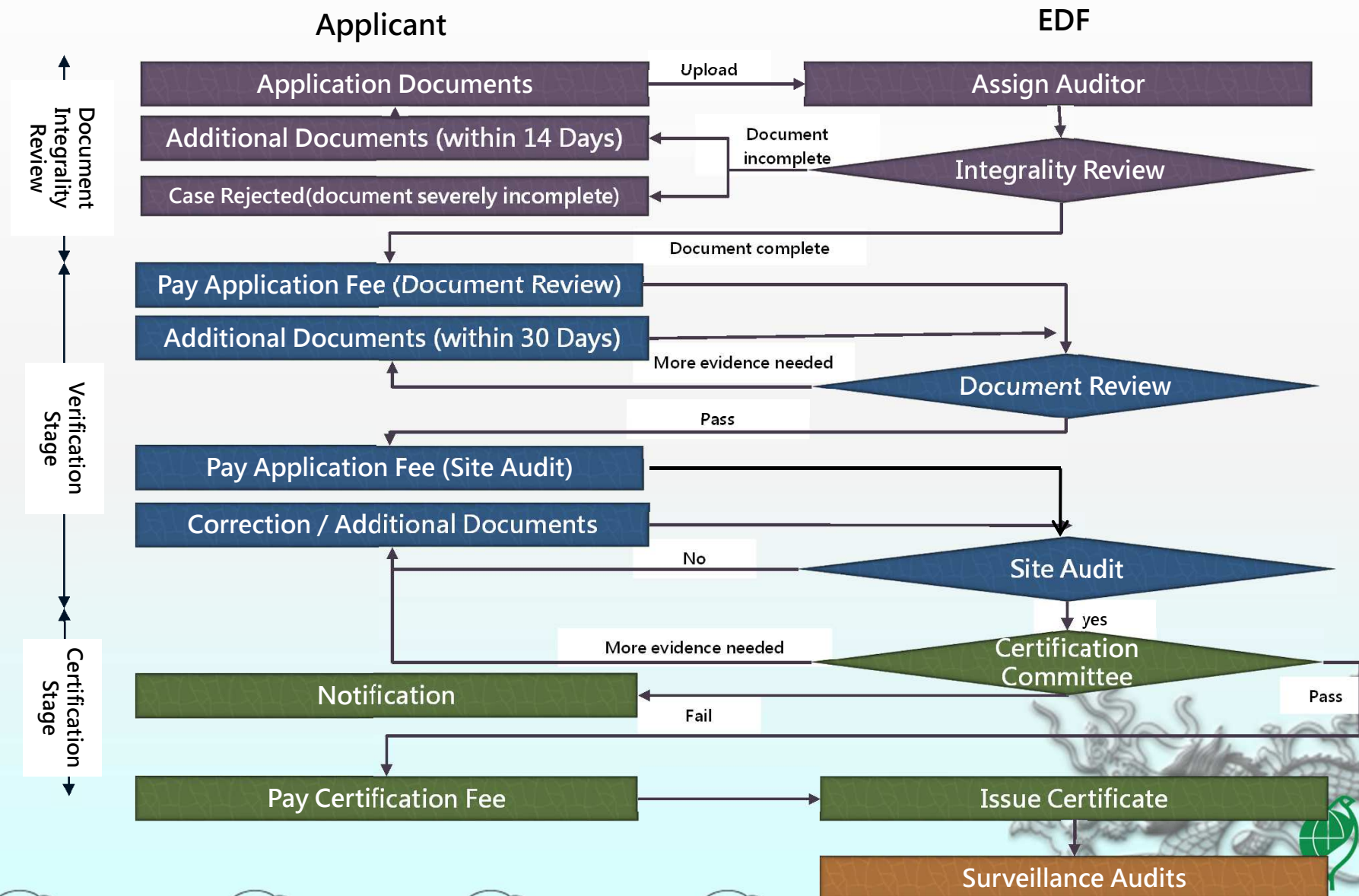
Revision History:

First revision: February 5, 2005

Second revision: January 3, 2014



Certification Process



Certification Process

Online Certification System

Electronic Documentation System

To effectively manage various documents of Green Mark application, this system integrates the original electronic documentation system by offering various functions like **manufacturers' or factories' management**, **application management**, **official record management and management mode**.

三陽工業股份有限公司環保標章申請書

一、申請項目簡要說明			
案件編號:140319001 第一次建檔日期:2014/03/19 最後更新日期:2014/04/18 繳費日期:無須繳費資訊			
案件類別:■新申請 □換證新證申請			
產品類別:環保標章產品 規格標準:日常用品類-小汽車			
驗證單位:財團法人環境與發展基金會			
申請產品項目:			
項目	產品名稱	產品英文名稱	型號
1	TUCSON 1995c.e	TUCSON 1995c.e	三陽TUCSON 1995c.e A6 5D (x35 4WD)_A1149E10A02-02 旅行式小客貨兩用車 (銀、白、黑、灰、寶藍、紅、冰藍)
2	TUCSON 1995c.e	TUCSON 1995c.e	三陽TUCSON 1995c.e A6 5D (x35 4WD)_A1149E10A02-03 旅行式小客貨兩用車 (銀、白、黑、灰、寶藍、紅、冰藍)
二、基本資料			
公司名稱	三陽工業股份有限公司		
公司英文名稱	Sanyang Industry Co., Ltd.		
管制編號	J5901747		
負責人姓名	黃志勇	負責人英文姓名	Yu-Mei Huang
公司統一編號	24004006	經濟部公司登記表	(可至登記資料(備附)_工商憑證.pdf) (請務必列印,並檢附)
聯絡電話	03-5981911轉1420	聯絡傳真	03-5983378
電子郵件	S1950@sym.com.tw	公司網址	http://www.sym.com.tw
公司地址	新竹縣湖口鄉中興路2號		
公司英文地址	No.3, Zhonghua Rd., Hukou Township, Hsinchu County 303, Taiwan (R.O.C.)		
登記資本額	新台幣95000萬元	申請前一年度營業額	新台幣236600萬元
本案聯絡人資料:			
姓名:劉金風	職稱:管理師	Email:S1950@sym.com.tw	
電話:03-5981911轉1420	傳真:03-5983378		
本案聯絡代理人:			
姓名:魏文勇	職稱:主任工程師	Email:isamu@sym.com.tw	
電話:03-5981911轉1420	傳真:03-5983378		
銷售聯絡人資料:			
姓名:蔡雅如	職稱:管理師	Email:yvonnetai@sym.com.tw	
電話:03-5981911轉1450	傳真:03-5983378		
銷售聯絡代理人:			
姓名:李宏哲	職稱:課長	Email:apple_lee@sym.com.tw	
電話:03-5981911轉1515	傳真:03-5983378		
環保標章申請使用同意書: 環保標章申請及使用同意書.pdf			
用印申請書:			

三、產品及生產流程資料

項目	產品名稱	產品英文名稱	型號
1	TUCSON 1995c.e	TUCSON 1995c.e	三陽TUCSON 1995c.e A6 5D (x35 4WD)_A1149E10A02-02 旅行式小客貨兩用車 (銀、白、黑、灰、寶藍、紅、冰藍)
2	TUCSON 1995c.e	TUCSON 1995c.e	三陽TUCSON 1995c.e A6 5D (x35 4WD)_A1149E10A02-03 旅行式小客貨兩用車 (銀、白、黑、灰、寶藍、紅、冰藍)

產品名稱: TUCSON 1995c.e 產品英文名稱: TUCSON 1995c.e 型號: 三陽TUCSON 1995c.e A6 5D (x35 4WD)_A1149E10A02-02 旅行式小客貨兩用車 (銀、白、黑、灰、寶藍、紅、冰藍) 標準編號:

正視照片



側視照片



產品照片

後視照片



三、產品及生產流程資料

Certification Process

Application Documents

greenliving.epa.gov.tw/GreenLife/pro/MarkApp/SlipPrint.aspx?SN=01CC7B783CA45E8262397E

相關附件(請務必列印，並檢附)
商品驗證登錄證書: 檔案未上傳
正字標記產品檢驗紀錄表: 檔案未上傳
ISO 9000證書: 詳細資料
其他測試報告: 檔案未上傳
產品及其製程未使用本署公告列管毒性化學物質及蒙特婁議定書管制物質切結書及相關證明資料: 切結書.pdf
產品使用包裝材質符合規定切結書及相關證明資料: 切結書.pdf
環保產品宣導推廣計畫: 環保產品宣導推廣計畫.pdf
其他審議會決議之限制事項及各項環保標章規格標準所定項目之證明文件: 檔案未上傳
產品消費後廢棄物回收系統及回收績效達成相關規定之證明(報告日期以一年內有效)非公告應回收項目 廢棄物清除處理委託書.JPG
產品符合商品標示法之證明文件或具結保證: 切結書.pdf
產品唯一代理證明(代工證明非代理商) 切結書.pdf

Background Information

產品符合環保標章規格標準證明		Evidence to provide	Files provided
Product criterion	規格標準條文	其他應檢附資料	類型
1.適用範圍 本標準適用於回收塑膠橡膠再製產品。但不包括產品之零組件。		產品型錄或照片	上傳檔案 流動廁所(外觀正面).jpg 註記
2.用語及定義 本標準用語定義如下： 添加劑：指為改變產品顏色或增進原料工作性之添加料，如色母、改質劑或脫膜劑等。			無任何檔案
3.特性 3.1產品原料應全部為國內回收塑膠橡膠，其回收塑膠橡膠混合率應為100%。但不可為含氯塑膠。另為改良產品品質而添加之添加劑不計。 3.2回收塑膠橡膠包含工廠中產生的切落碎屑、不良品等。 3.3產品中不得使用歐盟指令67/548/EEC判定具有下列風險警語（Risk Phrases）代碼之有害物質：R23、R24、R25、R26、R27、R28、R33、R39、R40、R42、R45、R46、R48、R49、R60、R61、R62、R63、R68、R50/53、R51/53、R52/53，並提供申請產品各成分及各添加劑清單、比例與物質安全資料表以供查核。物質安全資料表應詳細說明其內含之化學成分、化學摘要註冊登錄號(CAS NO.)與依歐盟指令67/548/EEC判定之風險警語代碼。	(一)近六個月內之1.由每一供應商購入的原料數量與每一種原料的總量；2.每一生產程序的原料/產品轉換率；3.申請標章產品之生產量與銷售量。 (二)產品回收料摺配比之證明 (三)添加劑之物質安全資料表。添加劑不得為與原材料同成分之塑膠橡膠 (四)原料材質說明。	上傳檔案 生產流程管制表.pdf 註記 切結書.pdf 註記 MSDS及物質安全資料表.pdf 註記 原料材質說明.pdf 註記	
4.標示 4.1標章使用者的名稱、地址與消費者服務專線電話應清楚記載於產品或包裝上。 4.2產品或包裝上應標示「100%塑膠橡膠再生」。		(一)申請換發新證產品應檢附已標示環保標章之產品或包裝相片 (二)新申請產品應檢附環保標章及相關標示方式之設計稿	上傳檔案 photo.jpg 註記 photo.jpg 註記

Product criterion & Evidence

Certification Process

Certification Requirements

Stage	Target	Requirements
Document Review (NTD 17,000)	Company & Factory	1. Legal registration 2. Environment performance (no violation on environment regulations) 3. Quality management (ISO 9001, etc...)
	Product	1. Quality standard (CNS) 2. Greenmark criterion
Site Audit (NTD 7,200 for TW sites)	Production Process	1. Verification on SOP & production records 2. Criterion related to production process (No ODCs used, recycle content, etc...)
	Pollution Control	Pollution control facilities

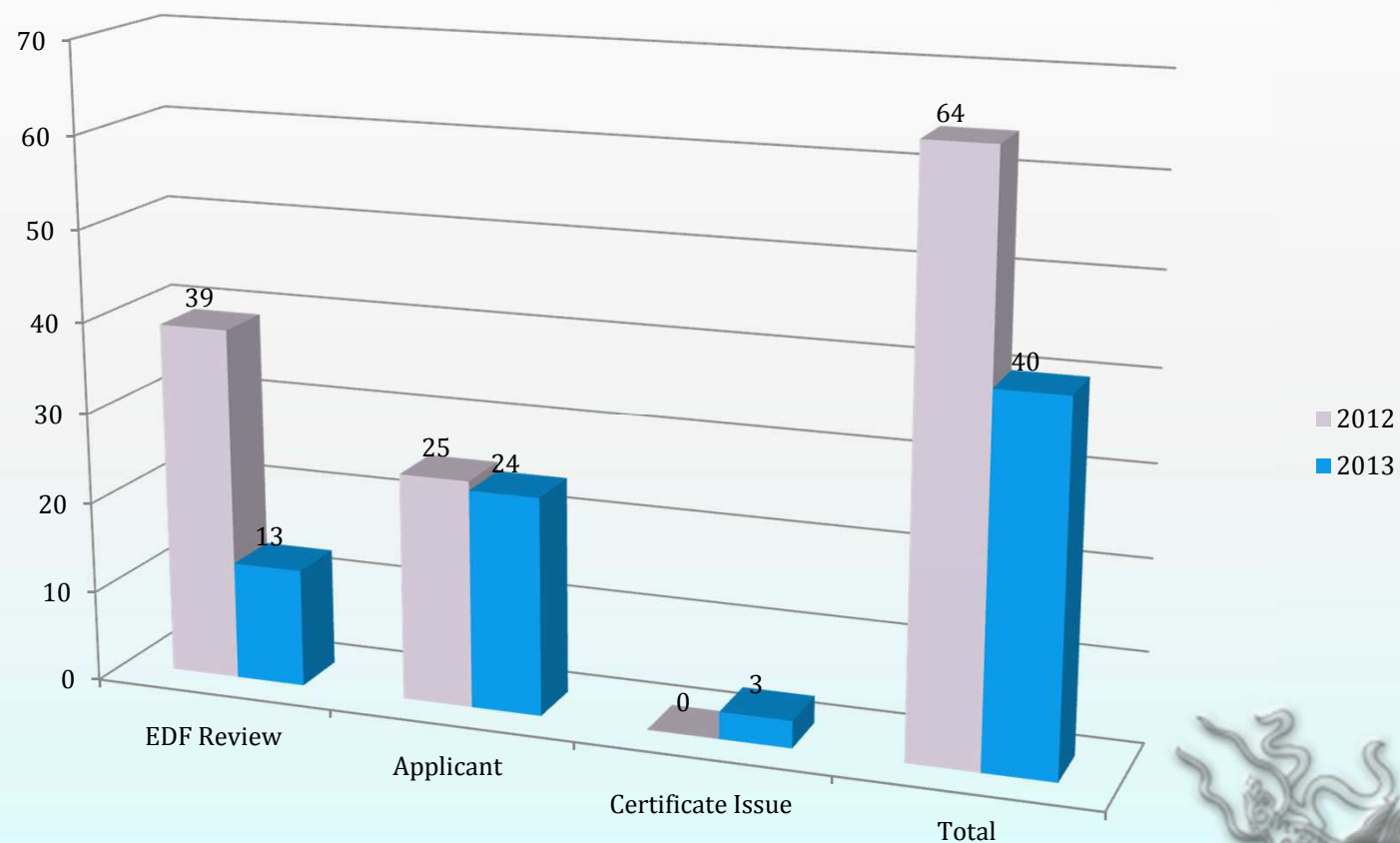
Note:

1. If test reports are provided as evidence, the tests must be **done by accredited laboratory within one year prior to the application.**
2. Site audit is mandatory, for local or foreign sites.



Certification Process

Time Consumption for TGM Certification (Days)



Why Government Green Procurement?

- Need **incentive**
- Focus on **group buyers** first
- Huge purchasing power → **10~15% of GDP**
14% in EU, ~ one trillion U\$; 18% in US, ~0.9 trillion U\$;
17.6% in Japan ; 21% in Canada ; 11% in Mexico
- Easy to demonstrate **effectiveness**
- Using **market forces** to stimulate greener products with competitive prices



“Green Article” in Taiwan Government Procurement Act

An entity may provide in the tender documentation that **preference shall be given** to a product which has been permitted to use a **label of environment protection approved by the government**, and in addition has the same or similar functions. The said preference **may include a price preference of not exceeding ten percent**. Such preference shall also be given where a product or its raw material is manufactured, used, and disposed of in such manner that conform to **recycled materials, returnable products, low pollution, or energy-saving** requirements. The preceding paragraph shall apply mutatis mutandis to other products which either increase social benefits or reduce social costs, and have the same or similar functions required.



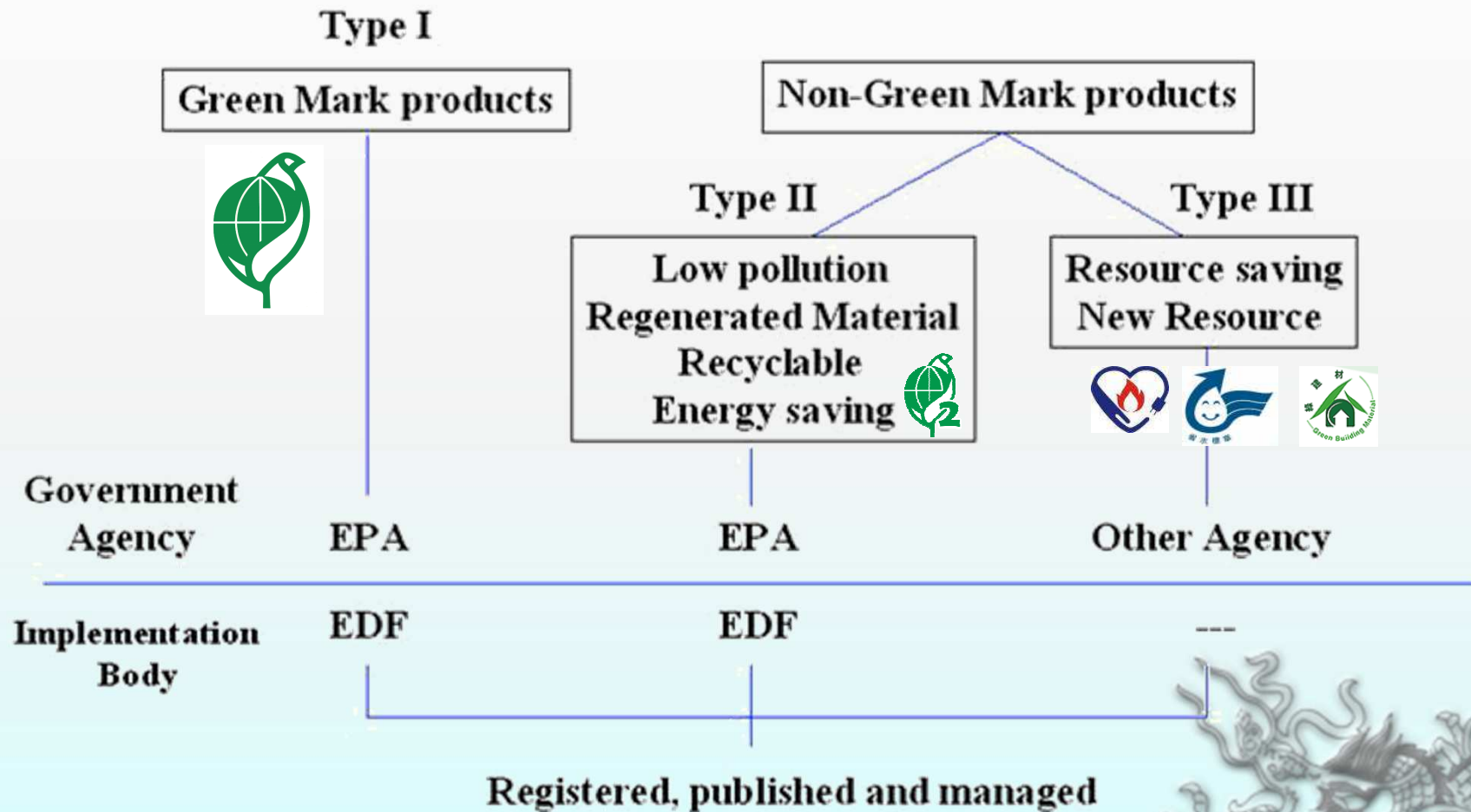
Case Study - GPP in Taiwan

- *Plan for Implementing Green Procurement by Government Agencies* (Since 2001)
- 44 designated product categories with target purchasing ratio of 92%:
 - office equipments and utilities, home electrical appliances, water saving toilets, products made from recycled material and cleaning products, etc.
- **Common supply contracts** through Central Trust, Bank of Taiwan
- **Mandatory** for all levels of government agencies, institutions and state enterprises **to report** results
- **Green Mark labelled** products enjoy top priority procurement



ROC's Experience on Green Consumption

Government Green Procurement



Common Supply Contract Platform

- ◆ “Common Supply Contract” worked well through Bank of Taiwan
- ◆ For product items widely purchased by government agencies
- ◆ Saves government administrative costs
- ◆ Government agencies can buy green products with lower prices (20~30 %)
- ◆ Currently, 90~95% of GPP is done through Common Supply Contract Platform
- ◆ Easy to trace performance
- ◆ Since 2005, TEPA integrated GPP monitoring system with “Common Supply Contract Platform”



Common Supply Contract Platform

Common Supply System for Government Agencies



1. Avoid repeatedly negotiation
2. Have joint purchasing power
3. Easy to monitor

Common Supply Contract Platform

Common Supply System for Government Agencies

共同供應契約電子採購系統-訂約機關上架商品列表 - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

上一步 一步 搜尋 我的最愛 媒體

網址(D) http://www.bot.com.tw/NR/rdonlyres/4572435B-291D-4F55-8850-51B832F299CD/0/Cmsup_Spec_df96_011.htm 移至 連結

搜尋網頁...

共同供應契約電子採購系統-訂約機關上架...

您查詢商品的分類：飲水機，組別：一般飲水機，送貨服務區：全區
 訂約機關：臺灣銀行採購部(原中央信託局股份有限公司購料處96.7.1更名)，招標案號：LP5-960006，契約起始日期：96/06/15，契約終止日期：97/04/30

項次	品名	單位	決標單價	立約商一覽表 (契約編號)	廠牌型號(顏色)(產地)
				富業喜企業有限公司 (07-LP5-4143)	MS明發 MS-9501-CWH(台灣)[節能證號(有效日期)：960058(2009/9/13)] 豪星牌 HM-1681(台灣)[環保證號(有效日期)：3295(2008/12/15)][節能證號(有效日期)：960055(2009/9/13)]
				明發企業有限公司 (07-LP5-4144)	MS明發 MS-9501-CWH(台灣)[節能證號(有效日期)：960058(2009/9/13)] 豪星牌 HM-1681(台灣)[環保證號(有效日期)：3295(2008/12/15)][節能證號(有效日期)：960055(2009/9/13)]
				九龍飲水機有限公司 (07-LP5-4145)	龍泉牌 LC-2009AB(台灣)[環保證號(有效日期)：3073(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)] 龍泉牌 LC-3099AB(台灣)[環保證號(有效日期)：3079(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)]
				協展飲水機企業有限公司 (07-LP5-4146)	龍泉牌 LC-2009AB(台灣)[環保證號(有效日期)：3073(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)] 龍泉牌 LC-3099AB(台灣)[環保證號(有效日期)：3079(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)]
				金龍王國際飲用水有限公司 (07-LP5-4147)	龍泉牌 LC-2009AB(台灣)[環保證號(有效日期)：3073(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)] 龍泉牌 LC-3099AB(台灣)[環保證號(有效日期)：3079(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)]
				汶軒純水器有限公司 (07-LP5-4148)	龍泉牌 LC-2009AB(台灣)[環保證號(有效日期)：3073(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)] 龍泉牌 LC-3099AB(台灣)[環保證號(有效日期)：3079(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)]
				欣泉濾水材料有限公司 (07-LP5-4149)	龍泉牌 LC-2009AB(台灣)[環保證號(有效日期)：3073(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)] 龍泉牌 LC-3099AB(台灣)[環保證號(有效日期)：3079(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)]
				富麗電器行 (07-LP5-4150)	龍泉牌 LC-2009AB(台灣)[環保證號(有效日期)：3073(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)] 龍泉牌 LC-3099AB(台灣)[環保證號(有效日期)：3079(2007/10/31)][節能證號(有效日期)：950010(2008/3/30)]

完成 網際網路

開始 MY Microsoft PowerPoint... 收件匣 - Outlook Exp... Fw: 97休閒農業工程... 共同供應契約電子... 上午 09:00

For individual government contract

Company A 、 B 、 C **compete for government contract** for PC, only products from B and C have greenmark.

the prices of A,B,C are 90, 95, 98. There would be **2 choices**.

- 1.**Provide price difference** : assuming the “pre-set price difference allowance is 7%”, company B gets the contract with the price of 95, for $(95-90)/90=5.6\%<7\%$
- 2.**No difference provided**, but give 1 chance to reduce price: company B will have **1 chance to reduce price** to 90, then company C. If no one does, company A get the contract.



How is GPP evaluated ?



Volume & purchasing
ratio of GPP

+



GPP Training

+



Promotion Activities

GPP training & promotion activities also evaluated



How is GPP monitored ?

-GPP performance reporting & monitoring system-

Purpose

- ◆ Reduce workload of procurement staff
- ◆ Improve quality of procurement records
- ◆ Provide real time GPP performance information
- ◆ As a solid base for rewards and punishments



How is GPP monitored ?

-GPP performance reporting & monitoring system-

Feature

- ◆ Online system, **easy to access** through internet
- ◆ Integrated with “**Green Living System**”, “**GPP Training System**”, “**Promotion Activity Reporting System**”, & “**Common Supply Contract Platform**”
- ◆ Update GPP records **on a daily basis**
- ◆ Generate GPP **evaluation report** for each user automatically.



How is GPP monitored ?

-GPP performance reporting & monitoring system-

初次使用

忘記密碼

帳號鎖定

變更密碼

行政院環境保護署

首頁 | 登入 / 新申請 | English | 兒童專區 | 網站地圖

今日瀏覽人數
共 07642 位訪客
自97年1月1日起
網站第 49117533 位訪客

綠色生活資訊網

訂閱電子報
了解更多綠色生活
訂閱 取消訂閱

加入粉絲

網站地圖
申辦業務
資訊查詢
問答集
歷史專區
相關連結
填寫問卷
系統操作教學影片

Major Functions of Green Living System

- Search for Green Mark Products
 - Search for green products before procurement
- GPP Reporting
 - Report GPP performance
- Videos and Manual for Training
 - Users can learn to use the system by watching the videos and download user manual

快速選單

- 環保標章查詢
- 種子教師申請
- 機關綠色採購申報
- 二類標章
- 標章申請
- 破粉匣對應查詢

How is GPP monitored ?

-GPP performance reporting & monitoring system-

E-learning platform

(登出) > 首頁 > 專區首頁

帳號登入

下午 01:57:37

歡迎使用本申報系統。

您好, 您已登入成功!

| 登出 | 資料維護 |

線上數位學習平台

常用功能

填寫及預覽申報資料

存查表格列印

所屬單位管理

1. 資料維護

帳號資料維護、變更密碼

2. 網路申報

填寫及預覽申報資料

存查表格列印

綠色採購效益

資再法採購項目檢視

3. 資料分析

所屬單位申報狀況

所屬單位滿意度填寫狀況

所屬單位確認狀況

機關綠色採購熟悉度狀況

4. 問題與回饋

機關綠色採購熟悉度測驗

5. 單位管理

Function List

最新開課資訊

2016/03/02 105年度機關

請各機關採購人員於採購、招標時

機關評核績效一覽表

提醒：此表格資料統計至昨天23:59，若有任何新增資料/異動，須一天排程後才會更新

機關名稱：	行政院環境保護署	【查看管理員資訊】
本單位及所屬機關總數：	200	【管理所屬機關】
有採購的帳號總數：	8	【檢視採購明細】

採購資料分析 (統計至02/22)

指定項目綠色採購金額：115,338.00元	指定項目採購比率：2.32% (1.63分)
指定項目總採購金額：4,965,197.00元	
總綠色採購金額：115,338.00元	總綠色採購比率：2.32% (0.70分)
總採購金額：4,965,197.00元	

列不統計狀況：	0.00元 (0筆)	【快速檢視】
指定項目綠色採購比率未達90%的所屬機關：	8個	【快速檢視】
機關綠色採購熟悉度測驗平均分數：	74.47分 (達成率78.95%)	

機關綠色採購公告與訊息

104年機關評核項目：請參閱 104年度機關綠色採購績效評核作業評分方法。

105年機關評核項目：請參閱 105年度機關綠色採購績效評核作業評分方法。

綠色採購系統提醒：

- 各位機關採購同仁大家好

Training Courses

GPP performance evaluation

Attention：Users can review the GPP performance of their own entity and all the Affiliated organizations

Data updated at 01:00

Rules for GPP Performance Evaluation

GPP Reminders

31

How is GPP monitored ?

-GPP performance reporting & monitoring system-

Fill in GPP records

Print out List

■填寫採購申報資料

Types of GPP :

■Individual Procurement

(Fill in new GPP records)

■Common Supply Contract

(Review data integrated from Taiwan Bank)

More than 90% of GPP done through Common Supply Contract

(登出) > 綠色採購機關 >

帳號登入

歡迎使用本申報系統。
您好, 您已登入成功!

| 登出 | 資料維護 |

常用功能

填寫及預覽申報資料

存查表格列印

所屬單位管理

1. 資料維護

帳號資料維護、變更密碼

2. 網路申報

填寫及預覽申報資料

存查表格列印

1

Choose "Fill in and Review Data"

請選擇單位: (請在此輸入機關代碼)

請選擇年度: 105年 1月

請選擇資料來源: 全部

2

Choose "Fill in New Data"

匯出

填寫申報資料

查詢申報資料

How is GPP monitored ?

-GPP performance reporting & monitoring system-



Fill in GPP records

Print out List

Individual
Procurement

■填寫申報資料(Warning!)

是否為委辦工程或委託計畫： ☒ 否 ☐ 是

採購/租賃時間 105年 ▼ 請選擇 ▼

請選擇統計分類 環保產品 ▼

第一類環保產品 ▼

帶入環保產品品名 請輸入產品證號 帶入 (查詢標章號碼)

產品名稱

產品型號

採購/租賃數量 單位 ▼

總計金額 元

☐ 已閱讀 填報人員請確實填寫機關綠色採購情形，若虛報不實則觸犯刑法偽造文書罪，將予以追究，請勿以身試法。

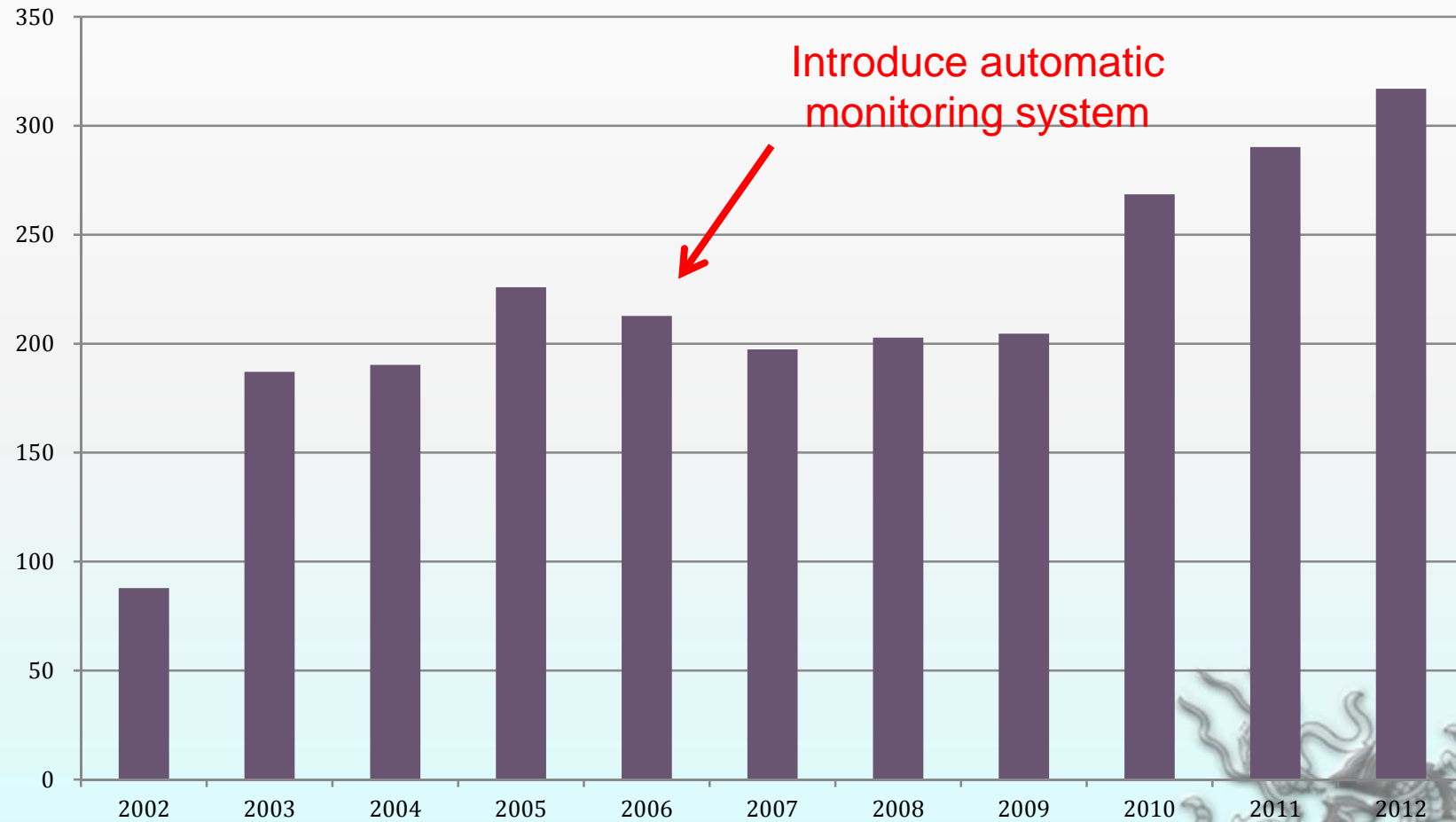
確認

Please fill in GPP data correctly, providing false information will be prosecuted for crime of forgery of documents and seals.



Influence of GPP Monitoring System

Volume of GPP (Million \$)



Benefits of GPP

Indicators ?

- ◆ Amount of money
Averagely , 2.2 billion USD/Year
- ◆ Number of Green Mark products
Increase from 230 products/year
to 1700 products/year
- ◆ Actual environment benefit
Energy Saving, Material Saving, CO₂ Reduction,
Waste Reduction, etc....



Benefits of GPP

Volume of GPP

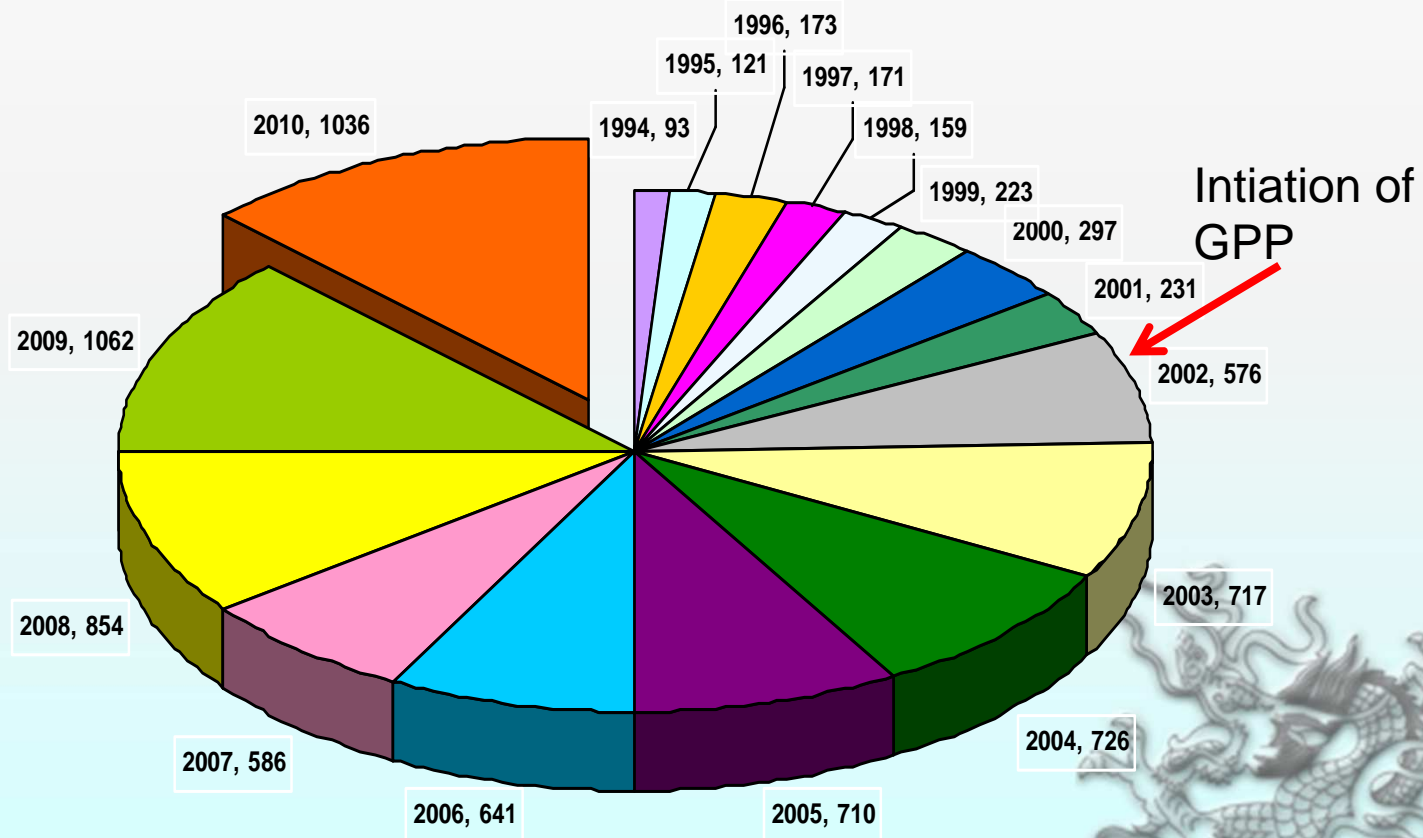
GPP volume increased from 80 million to 2.2 billion USD



Benefits of GPP

Number of Green Mark products

Products certified by Green Mark per year increased from 230 to more than 1700.



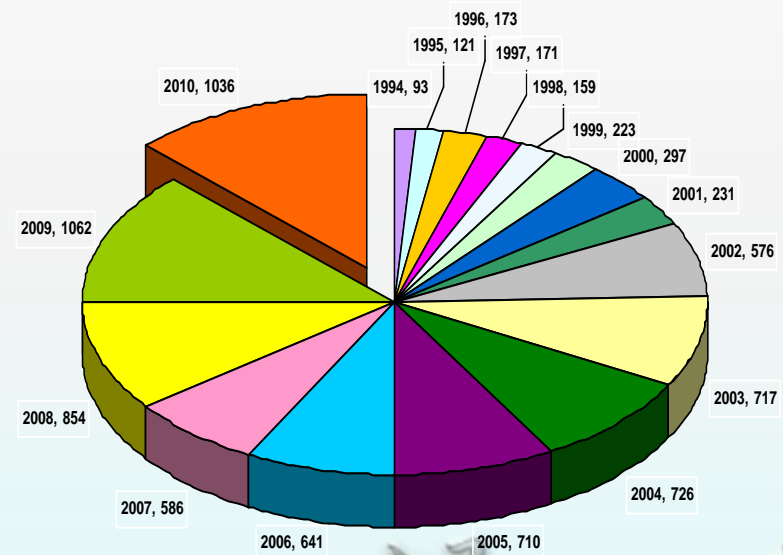
Benefits of GPP

Actual environment benefit

Since 2010, Taiwan EPA began to analyze the environment benefit achieved by GPP.



Environmental
Benefit Index = 4.74



$$\text{Total Benefit} = (\text{Benefit of product}) \times (\text{Volume of GPP})$$

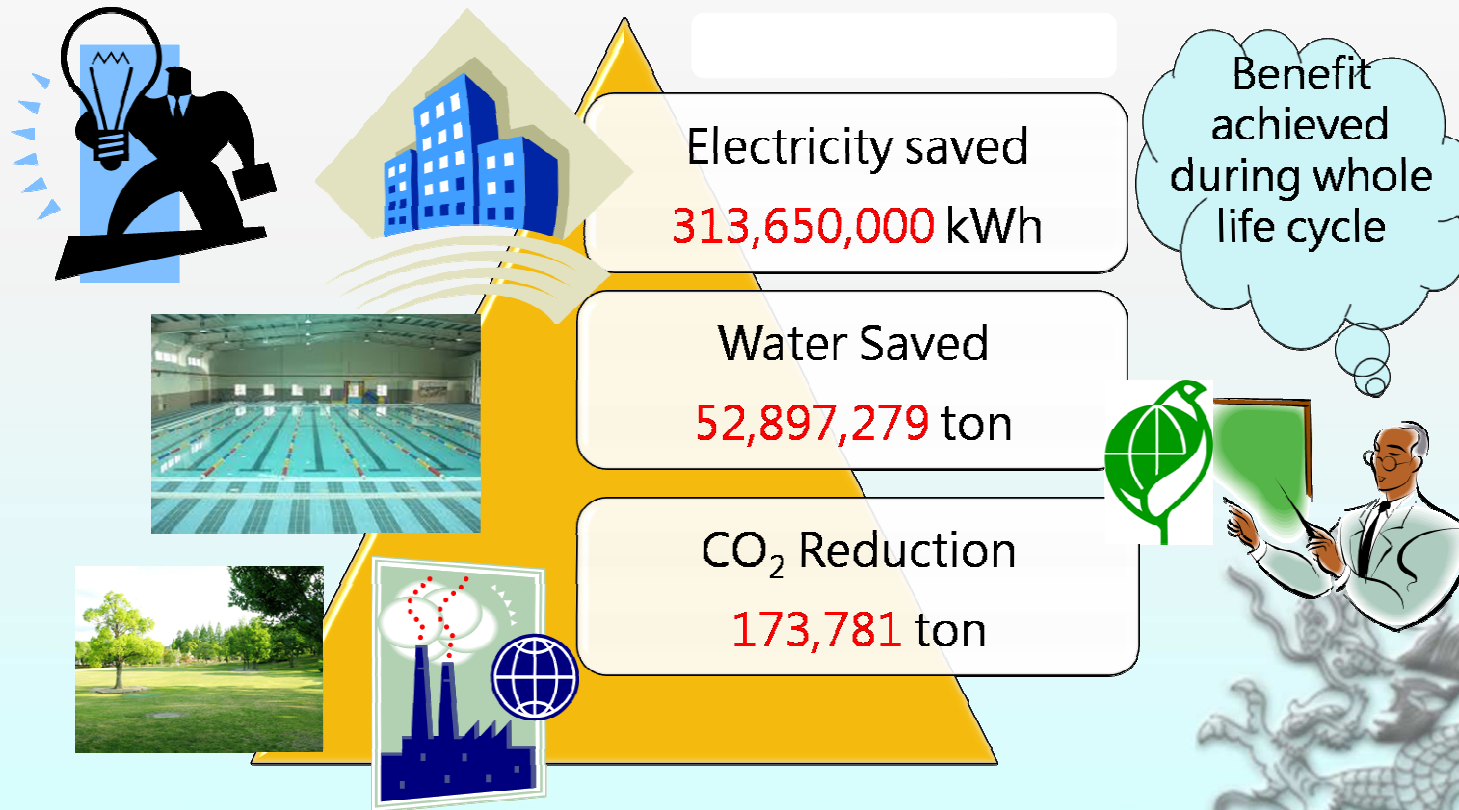


Benefits of GPP

Actual environment benefit

Press conference for environment benefit of GPP

Environment Benefit achieved(4/4)



Key Supporting Elements of Taiwan GPP

- ◆ **Strong support** from Government Procurement Act
 - the first “Green Article” in Government Procurement Law
- ◆ Well Developed **Ecolabelling System**
 - 10 year Green Mark experience, 1200 certified products
- ◆ **“Easy-to –Implement”** system design
 - **rely on labelling** systems to identify green products
 - **national unified** policy/goal/standard, easier to follow
 - Integrate with well developed **“Common Supply Contract System”**
- ◆ **Clear GPP target & goal set by** “Plan for Implementing Green Procurement by Government Agencies”
- ◆ Real time **performance monitoring system**



Relationship and Synergy

- Ecolabelling and ecolabelled products flourish due to mandatory green procurement (**obvious and solid incentive**)
- Green procurement helps to **select product categories** for ecolabelling (e.g. office equipment)
- Green procurement may help to **trace effectiveness** but diminish the voluntary nature of ecolabelling
- **Awareness-raising** through green procurement



After GPP

Secure Green Product Supply

- Taiwan GPP -

Increase Sales Channel

- Green Store Project, E Store -

Attract Green Consumers

-Promotions, Forums, E Catalog,
Green Points



Green Stores

- Project sponsored by TEPA,
- Cooperation with local Environmental Protection Bureaus to solicit green stores,
- Select and **provide technical assistance** to at least **50 retailers** (supermarkets and wholesale/chain/department stores) to improve their environmental performance,
- Develop a “**Code of Good Practice for Green Stores**”
- Encourage them to enter the contest for “Green Marketing Award”



Code of Good Practice for Green Stores

- Introduction and Management of Green Products
- **Strategy on Green Marketing**
- Hygiene and Environmental measures
- **Promotion of Green Consumption** to Customers
- Holds or participants in Environmental Events (e.g., training to employees)
- Promotion on Waste Recycling and Reuse



Green Marketing Award

- ◆ Will be judged by an independent Panel ,
- ◆ Judging criteria include:
 1. Policy (project/action plan, awareness and training)
 2. Measures (purchase, display, sale and promotion of green products; other environmental management measures)
 3. Achievements (types and % of green products purchased and sold; promotional achievements)
- ◆ **Award Ceremony** will take place in TEPA



On-Line Store

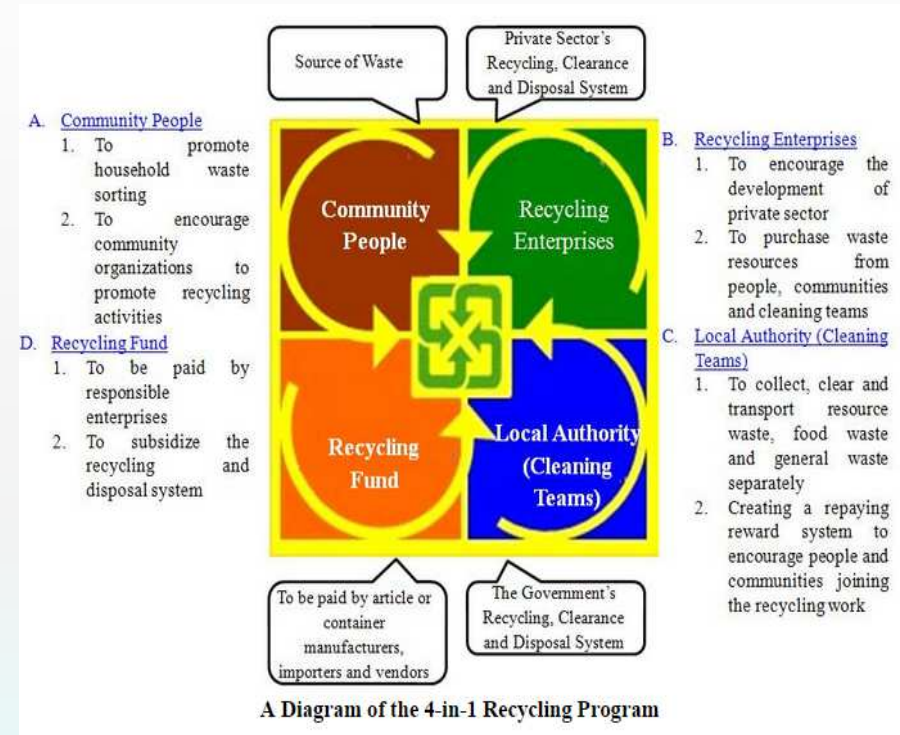
<http://www.buygreentw.net>

Started on May 31, 2007



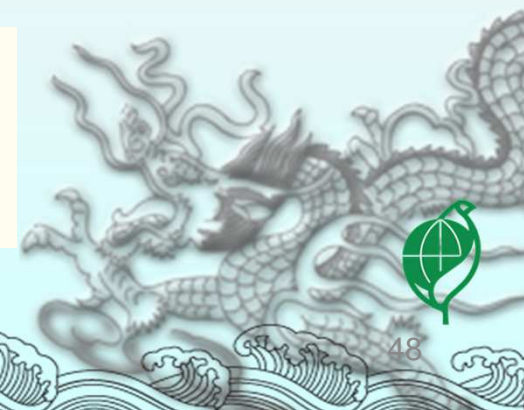
Recycling Fee Reduction

- In Taiwan, manufacturer of “Regulated Recyclable ” product has to pay “recycling fee”.
- For green mark products, the recycling fee can be reduced by 10~30% .
- Correspondingly, TGM revised the related criteria and enhance the requirements on recyclable design, easy to disassemble design, & plastic material marking.



Promoting GP in Private Sectors

- **Green Purchasing Networks**
 - Promotion of green products toward businesses and consumers
 - Not limited to Type I products
 - Mostly created by Type I program practitioners



Promotion Activities in Hyper-markets



Promotion on Green Mark Products



電器用品類

電冰箱、冷氣機、洗衣機、
除濕機、微波爐、吹風機等

咱們對環境的貢獻：三不一公道

不耗電
較CNS國家標準規定低，間接減少溫室效應氣體產生。

不使用破壞環境的有害物質
使用環保冷媒，保護臭氧層；不使用有害含氯或重金屬化學物質。

材質「不」複雜
材質單一化，易拆解，可回收，使用 80% 回收紙製紙箱。

公道
品質好，功能佳，消費者有信心。

生活做環保，消費看標章
請愛用「環保標章」產品
網址：www.epa.gov.tw/greenmark 服務電話：03-591-6217

辦公室OA用品類

包括：電腦、印表機、傳真機、
黑白影印機等事務機器

咱的貢獻：4S

Save Money
省電即省錢，降低發電廠CO₂排放量。

Save Earth
使用環保冷媒，保護臭氧層，不使用有害物質。

Save Health
低臭氧、低粉塵排放，保護健康。

Save Resource
使用再生紙箱包裝，減少樹木砍伐。

請愛用「環保標章」產品
生活做環保，消費看標章
網址：www.epa.gov.tw/greenmark 服務電話：03-591-6217

Green Living Expo

- Green Mark Product Exhibition
- Actions taken by government agencies to promote Recycling, CO₂ Reduction and Green Consumption
- Attracted a total of 80,000 visitors



Training Material and Courses

- Develop **training material** on Green Purchasing
 1. Green Consumption and Green Mark
 2. Government Green Procurement
 3. Private Sector Green Purchasing
 4. Promotional Skills
- Provide 4 training courses to at least **200 volunteers** on green purchasing



E Catalog



New Project – Green Point

◆ Give Financial Reward to Daily Green Actions

- ✓ Combine resources from EPA, other government departments, and private sectors
- ✓ By giving “green points”, provide financial reward to consumers buying green products or taking other green actions
- ✓ Enlarge green market with joint power of public and private sectors.



Conclusion

Benefits :

- GPP has been proven to be **one of the most efficient way** to promote SCP.
- GPP can contribute to SCP in three aspects include
 - ✓ Financial incentive : **with huge purchasing power**, GPP can easily **increase financial incentive** to green manufacturers
 - ✓ Increase green product supply : with such strong demand from GPP, green manufacturers will certainly **Increase green product supply** and improve the environment for SCP
 - ✓ Awareness raising : GPP can help to **introduce the concept of SCP** to government officers, suppliers and general public.



Conclusion

Difficulties

- Procurement staff unfamiliar with “Green”

Solution : Rely on existing *ecolabels*.

- Insufficient green product supply

Solution : *Early announcement* for GPP items (give manufacturers lead time for ecolabel certification)

- Difficult to get the real data of GPP

Solution : Provide easy-to-use tool for data collection and evaluation, *reduce the workload* of procurement staff



Thank You !

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886-917588255

