



Integrated Bioscience Design

——— 大江生醫 ———
生物整合
設計公司



Facts / Capabilities

- AREA OF EXPERTISE

- ODM / OEM of Nutraceutical & Cosmeceutical Products

- SERVICES

- Formulation Development
- Proprietary Raw Material Development
- Turnkey Products
- Stability & Safety Assessment
- Intellectual Property Protection
- Regulatory Compliance Check
- Post-sales Marketing Support
- Efficacy Validation
- Graphic Design
- Packaging Solution
- Business Consultation
- China Market Solution

1st

Dietary Supplement
/ Skincare ODM
Manufacturer

897

Patents Applied

51

Countries served

350

Partner Brands of
Our Customers

95%

Repeat Purchase
Rate



TCI Global Location

* In preparation

* TCI Paris

TCI BIOTECH, LLC

TCI Beijing

TCI Shanghai + Golden Hill Park
Precise iManufacturing (PiM)

* TCI Chengdu

TCI Guangzhou

TCI Jakarta

TCI OSAKA
DAIDO Pharmaceutical
Corporation

TCI Taipei

Rock Park
Precise iManufacturing (PiM)

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TCI Co., Ltd.

GLOBAL MARKETING ACHIEVEMENT

Attended 13 Trade Shows Worldwide in 2018



PRODUCTS SOLD
IN 50 COUNTRIES



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Liquid form

Liquid supplement

doubleNUTRI™

Liquid pouch

Jelly

Solid form

Powder sachet

Big powder pouch

Tablet

Capsule



Bio-cellulose mask

Non-woven mask

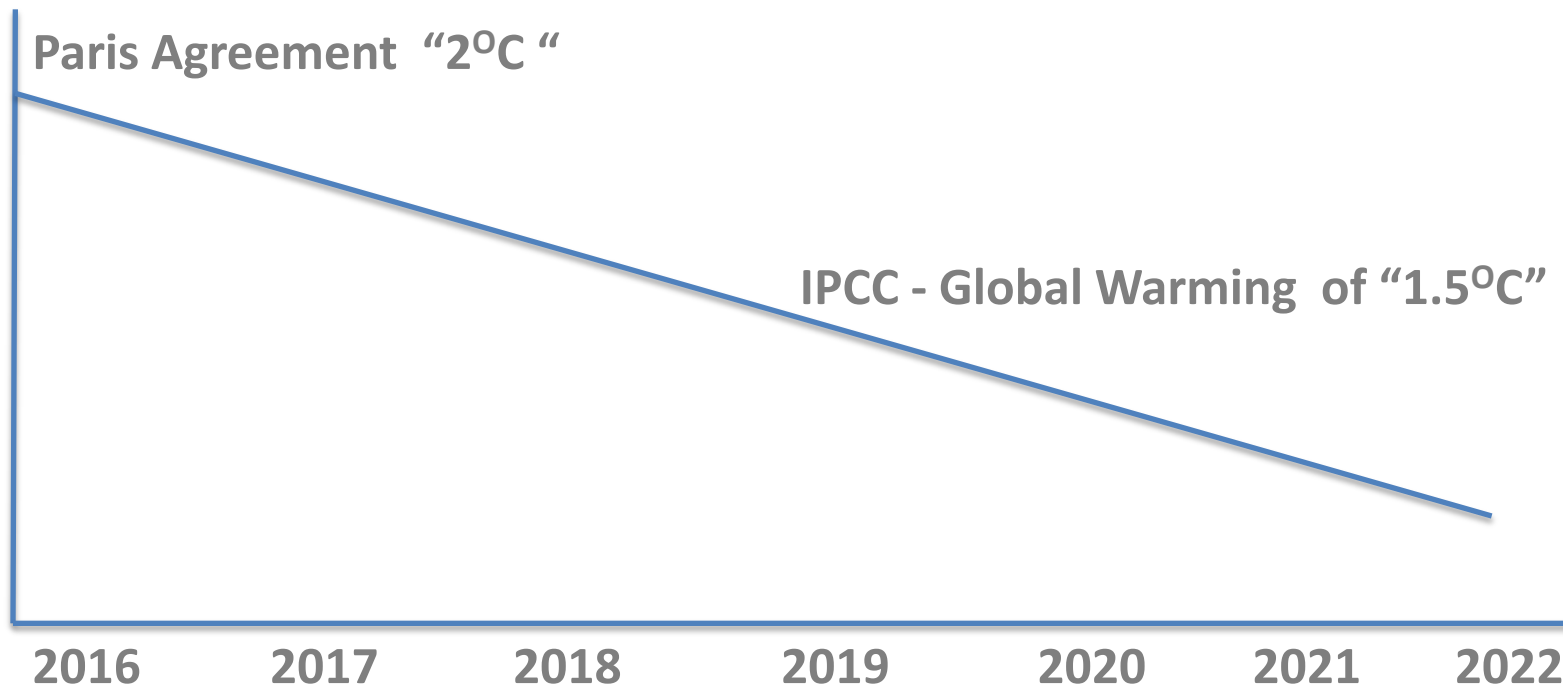
Applicable Dosages



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A Better Earth



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ESG

?

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IMPROVE THE WORLD

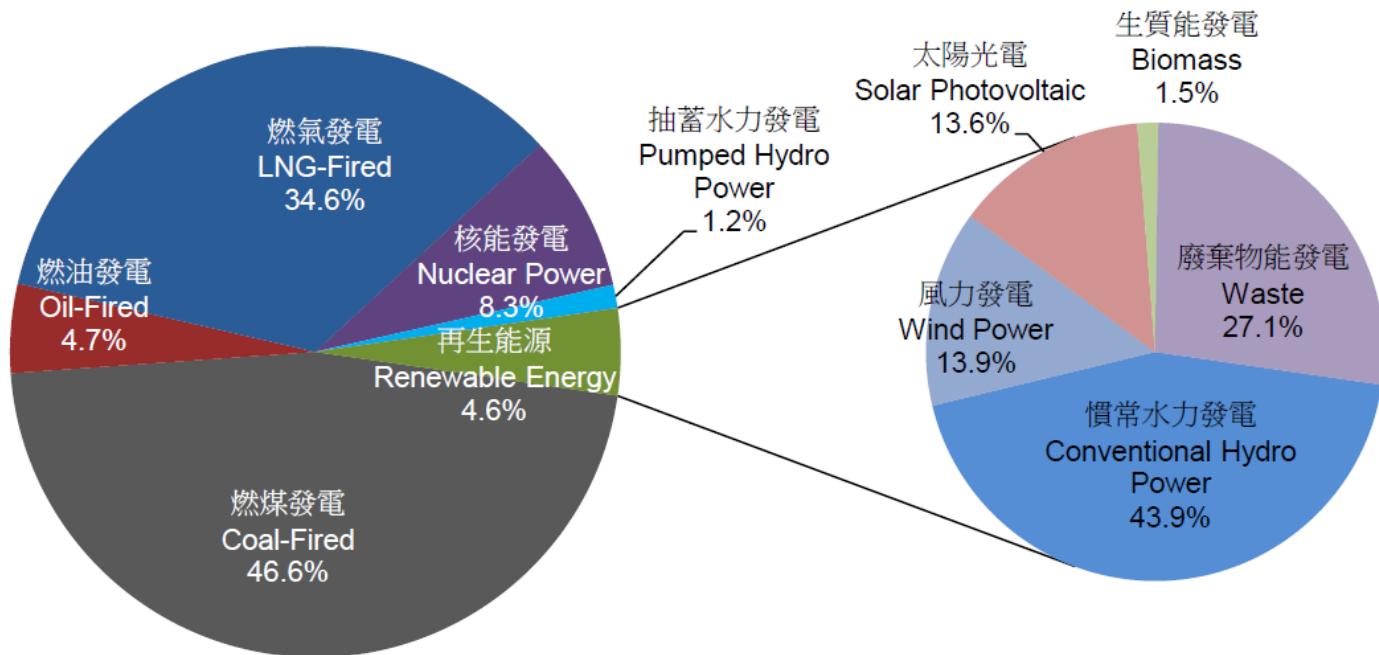
COMPETITIVENESS

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Energy Structure in Taiwan



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Challenges



1843 / 9000
20%



Limited Flexibility



FIT

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Impossible



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2017 REC / 21M



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ASSESSMENT

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Renewable Energy Policy in Taiwan

2025 / 20%

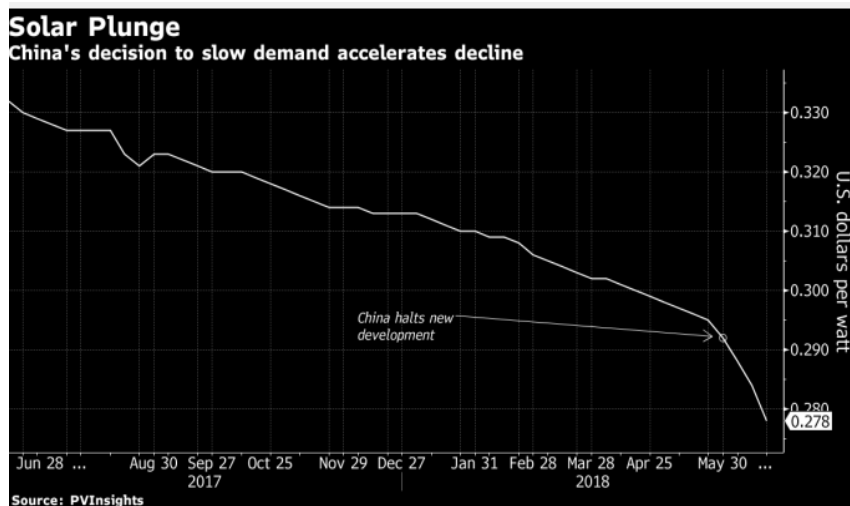
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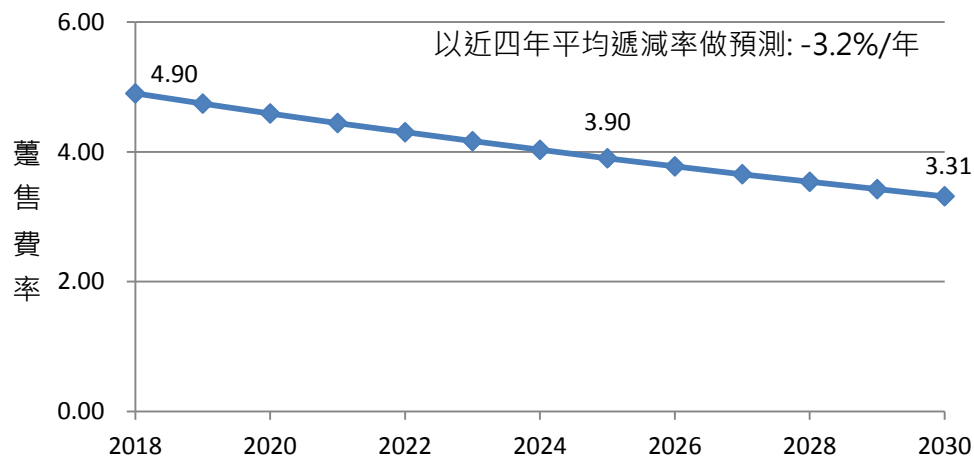
Tendency

Price Plunge of Solar Panels



Self-supply becomes
more feasible

Forecast of Solar FIT Rates



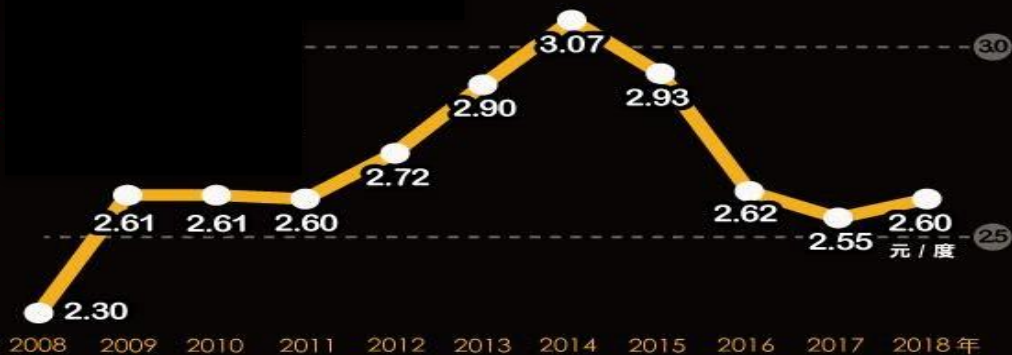
PPA becomes
more feasible

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十年電價攤開看



(2016年起 穩定物價 每次調幅 不超過3%)

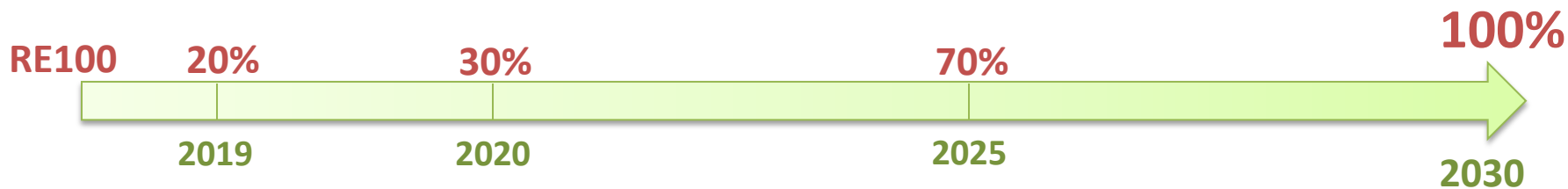
經濟部

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RE **100** Targets



2019

- T-REC / I-REC 20%
- S5+9+11: Self-supply 9%
- Potential PPA



2025

- Self-supply
- PPA

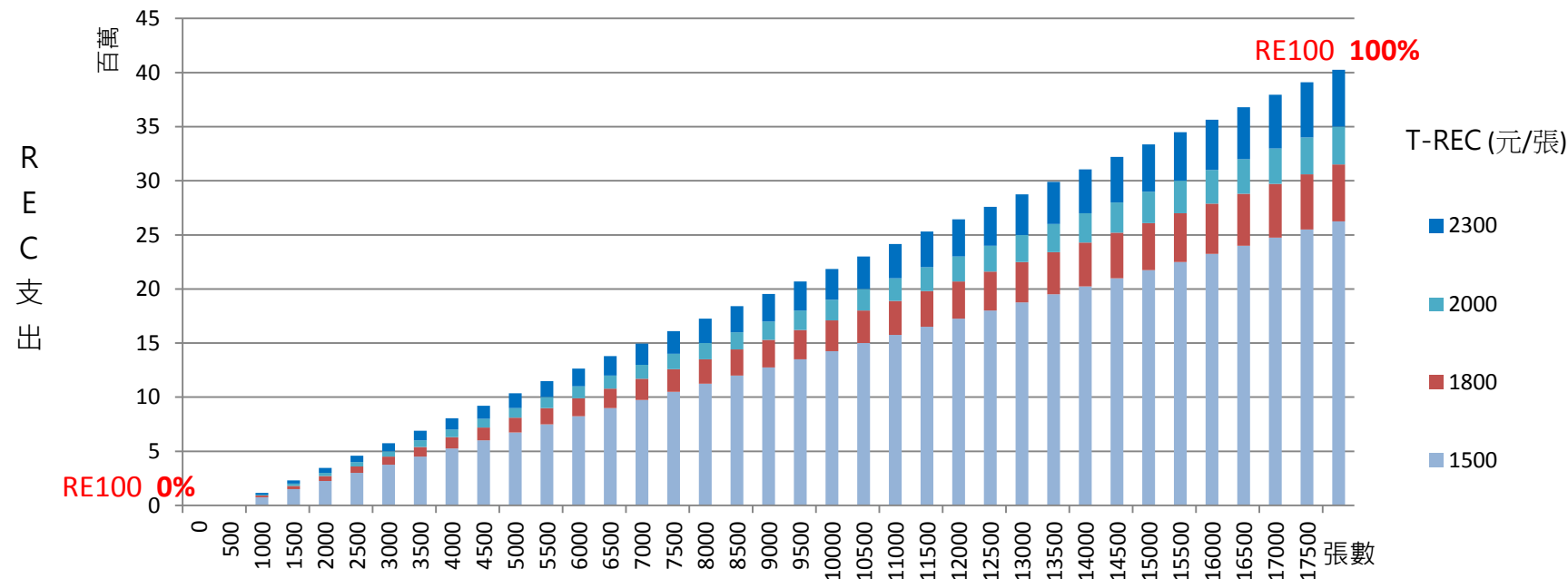
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REC

REC購買預估支出



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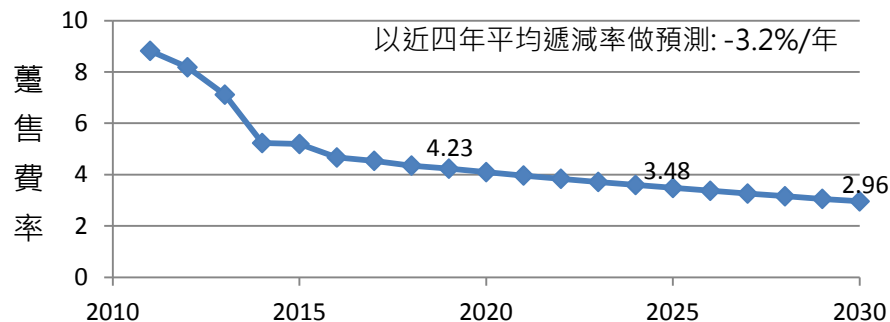
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PPA

Scenario 1

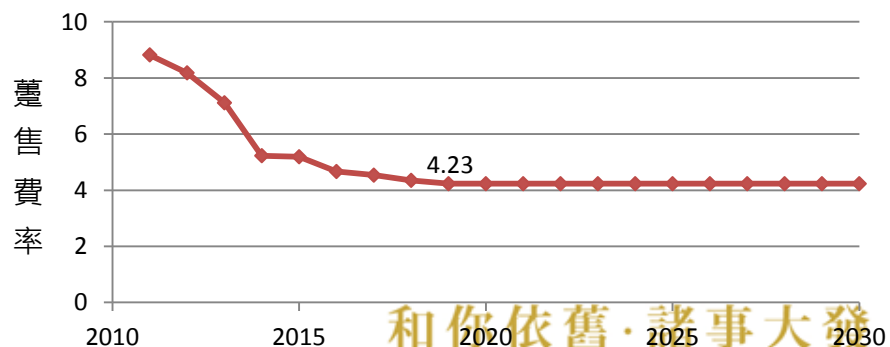
太陽能躉售費率潛在趨勢



預估轉供費率: 2.9 – 3.5元/度

Scenario 2

太陽能未來躉售費率不變



預估轉供費率: 4.2 – 5元/度

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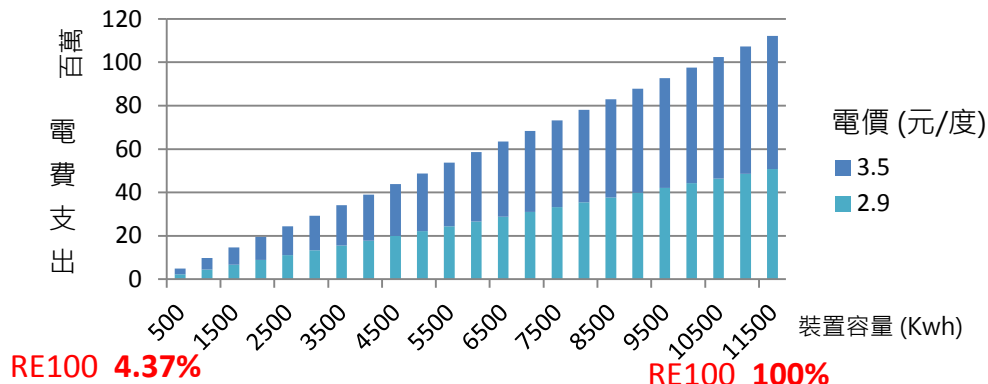
PPA

Scenario 1

太陽能躉售費率遞減

預估轉供費率: 2.9 – 3.5元/度

太陽能轉供電費預估支出

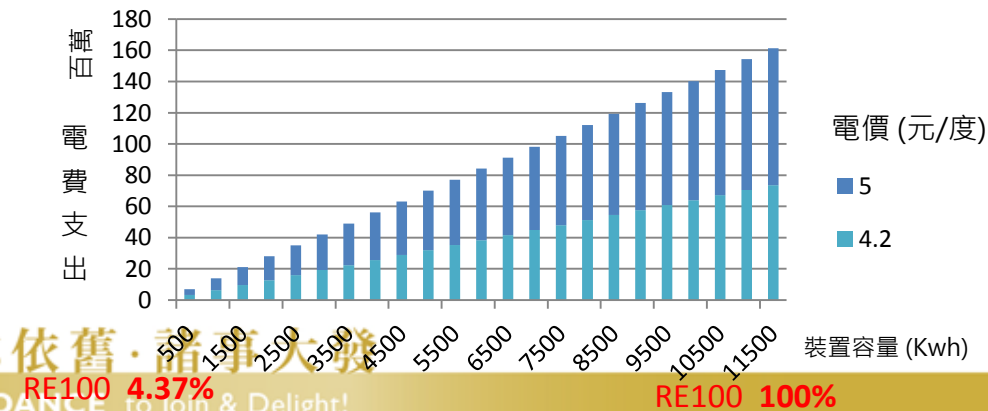


Scenario 2

太陽能躉售費率不變

預估轉供費率: 4.2 – 5元/度

太陽能轉供電費預估支出





Self-Supply

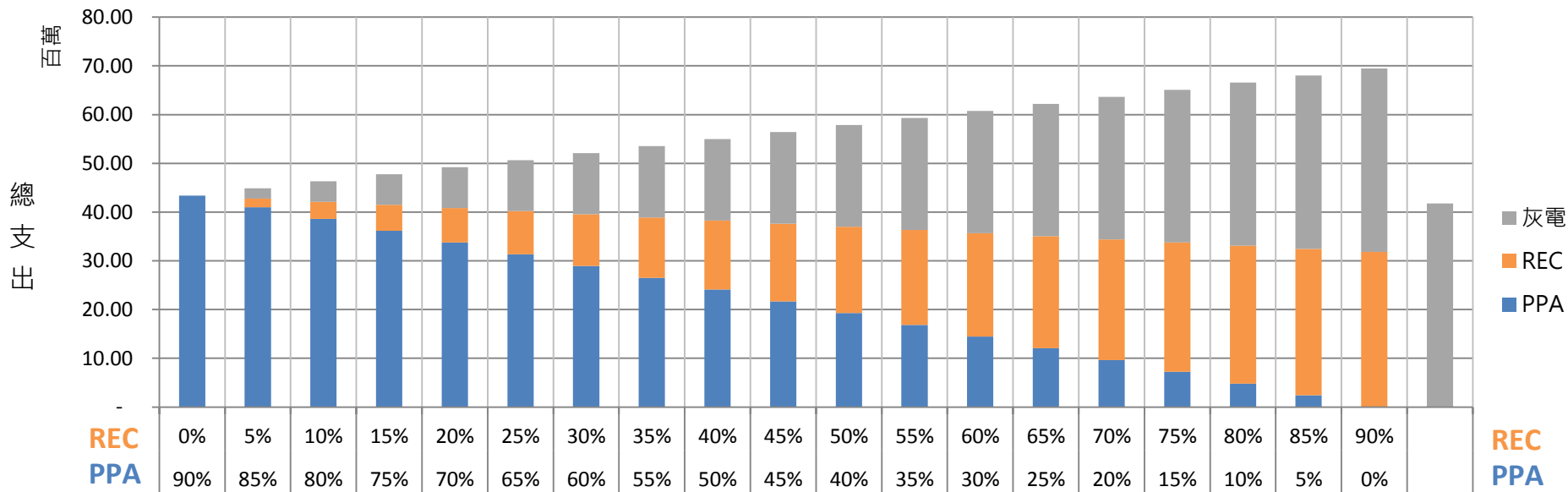
S5, 9, 11, 12皆自發自用做估算，佔10%

RE100達100%支出分配

REC 以 2,200元/張估算

PPA 以 3元/度估算

灰電以2018平均電價 2.63元/度估算

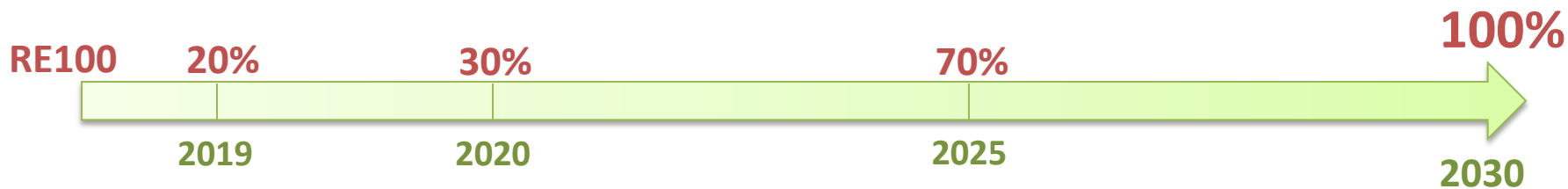


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RE **100** Targets



2019

- T-REC / I-REC 20%
- S5+9+11: Self-supply 9%
- Potential PPA



2030

- Self-supply
- PPA

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Renewable Energy Development Act

2019.04.12 Passed

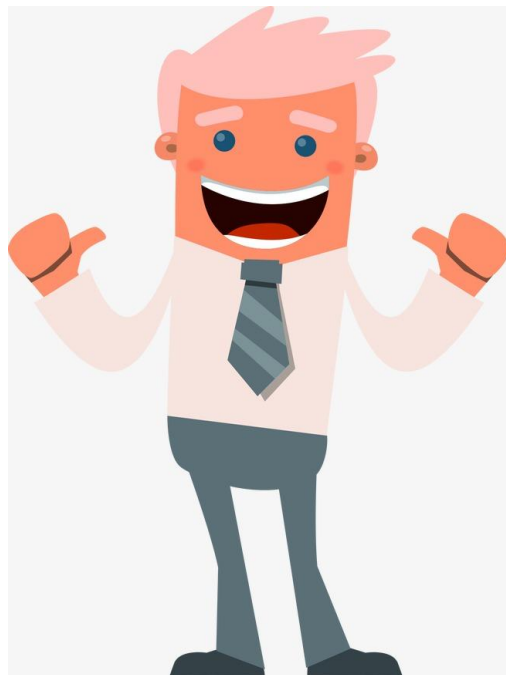


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Possible



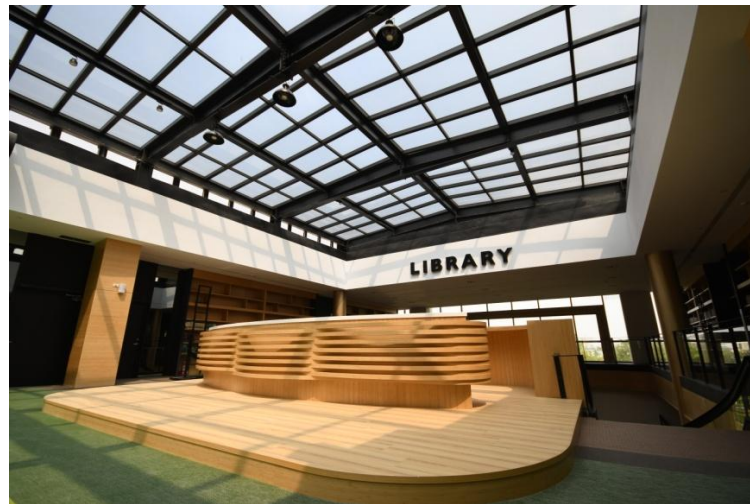
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USGBC LEED Certification

- S11 ECO Facial Mask Factory



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- Design double layered insulating glass and window with open angle to reduce the electricity consumption of AC.
- Save 8,044 kWh.

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The S11 Green Factory



**ENERGY
SAVING**

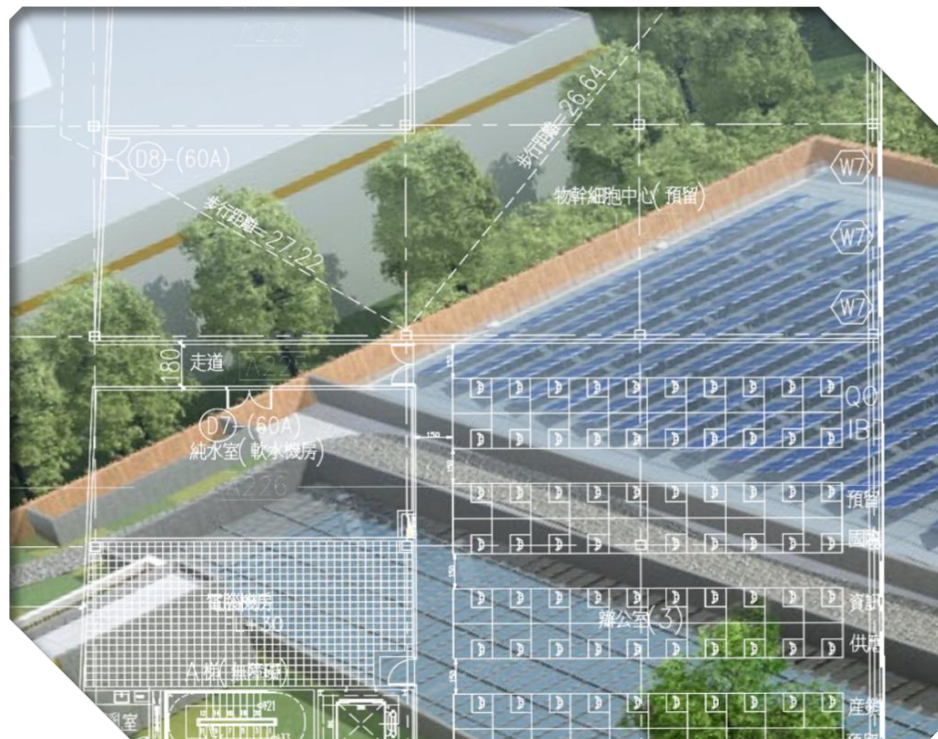


**WATER
RECYCLING**

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Smart AC



- Use inverter and regional air condition to reduce electricity consumption of AC.
- Smart AC saves 35,000 kWh per year.

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RE Efficiency Plant

- 1 MW
- 0.9 GWH
- Renewable energy 9%



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Carbon Neutrality Park

S5

S9

S11



Carbon
Neutral

PAS 2060

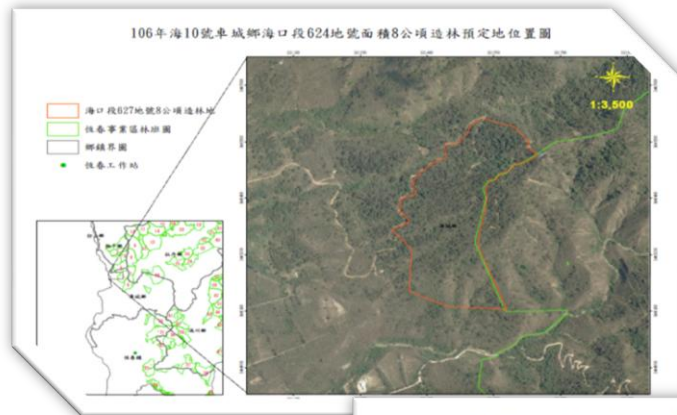
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Neutralization of CO₂

- Maintained local tree species to preserve natural habitats and ecosystems
- TCI sponsored local afforestation programs of planting 32,500 trees in 17.25 hectares of area located in Hengchun township, Pingtung county, which can capture **562,000 kg CO₂**



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EP 100

**Increase 35% energy
conversion efficiency by 2040
against 2016 baseline**

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EP 100 Targets



**Increase 35% energy conversion efficiency
by 2040 against 2016 baseline**

- Upgrade equipments with higher energy efficiency
- Obtain ISO 50001 energy efficiency certification for new plants
- Replace with LED lighting
- Turn agricultural by-products into energy
- Install smart meters



2018 UNFCCC COP24

in Katowice, Poland



**Pushing the Clean Energy Transition:
Industry Leadership and Strategies
towards 2020**



**Public-Private Partnerships for a Low-
Carbon Economy: How Do We
Increase the Success Rate?**

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Coalitions & Initiatives

The Vision Project of Leading Enterprises in Taiwan



2100

100% renewable energy & carbon neutrality

Partners: Delta, TSMC & ECCT

Global Climate Action Summit in San Francisco



Accelerating Corporate Clean Energy
Deployment in Emerging Markets

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External Recognition

- Excellence in Corporate Social Responsibility
- Panshi Precision Intelligent Production Center Obtained PAS 2060 Carbon Neutral Certification
- New Business Models for the Circular Economy
- CSR Report - Appendices Independent Assurance Opinion Statement



Carbon
Neutral
PAS 2060



Linking innovations
and closing **Loops**.



AA1000
Licensed Assurance Provider
000-8

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Future

- DJSI: We will participate in the Dow Jones Sustainability™ Emerging Markets Index.
- CDP: The process of 2018 Carbon Disclosure Project will be conducting.
- SBTi: We will reduce carbon emissions by 35% by 2035 based on the goal suggested by IPCC.
- EV100: We will have established the network of low-carbon transportation by 2025 and replaced all vehicles with electric vehicles comprehensively.
- Sunnyfounder: A charitable for-profit entity. We will purchase 57,000 kWh from Sunnyfounder in following three years.
- We will improve the storage capacity of carbon sequestration by intelligent agricultural methods and fertilize the farming lands.



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TCI

AIMING TO BE THE GREENEST
MANUFACTURER IN ASIA



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