



# SUSTAINING SINGAPORE'S FUTURE

**Masagos Zulkifli**  
Minister for the Environment  
and Water Resources Singapore





**"I have always believed that a blighted urban landscape, a concrete jungle destroys the human spirit. We need the greenery of nature to lift our spirits."**

**- Our founding Prime Minister, Mr Lee Kuan Yew, 1995**

# APPROACH TO SUSTAINABLE DEVELOPMENT

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- **BALANCE BETWEEN ECONOMIC DEVELOPMENT, ENVIRONMENTAL PROTECTION AND SOCIAL INCLUSION**
- **LONG-TERM, INTEGRATED APPROACH TO POLICY PLANNING AND IMPLEMENTATION**
- **COLLABORATIVE MULTI-STAKEHOLDER PARTNERSHIPS**
- **SDGs ARE INTEGRATED INTO SINGAPORE GOVERNMENT'S LONG-TERM POLICY AGENDA**



# CLOSING THE WATER LOOP (FOUR NATIONAL TAPS)



**IMPORTED  
WATER**



**WATER FROM LOCAL  
CATCHMENTS**



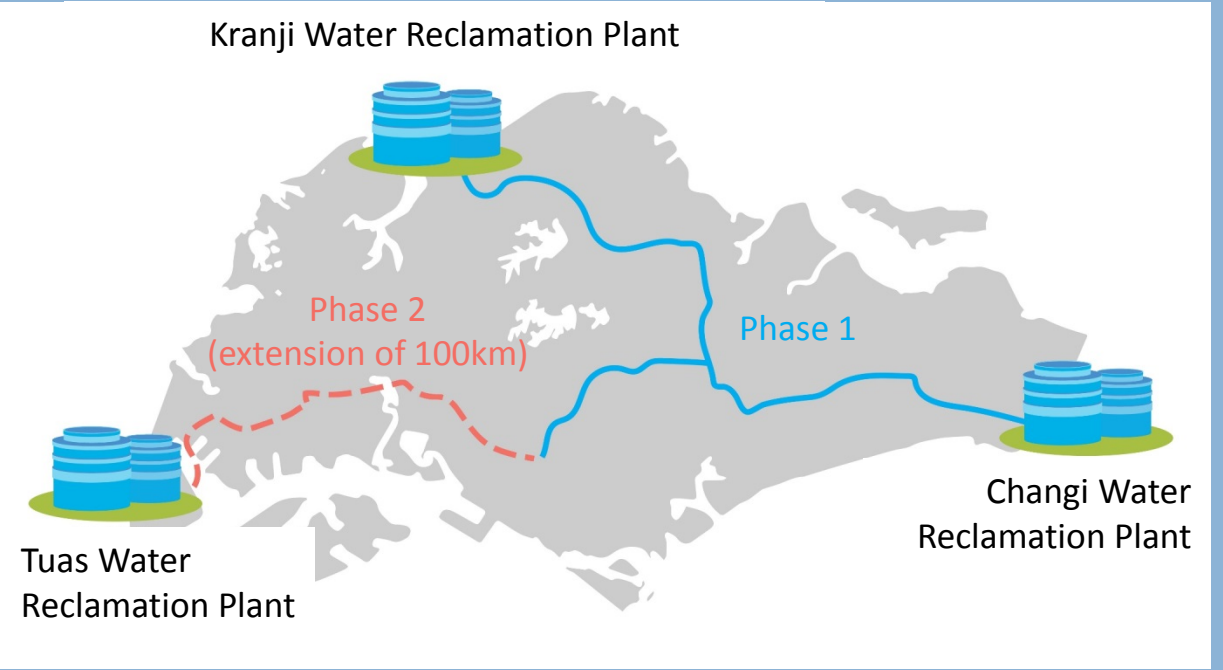
**DESALINATED  
WATER**



**RECYCLED  
WASTEWATER  
(NEWATER)**



# WASTEWATER SUPERHIGHWAY



## DEEP TUNNEL SEWERAGE SYSTEM



# RE-USING WATER ENDLESSLY



**THEN-PM GOH CHOK TONG  
DRINKING NEWATER  
IN 2002**



**THEN-UN SECRETARY-GENERAL BAN  
KI-MOON GIVING A TOAST USING  
NEWATER IN 2012**

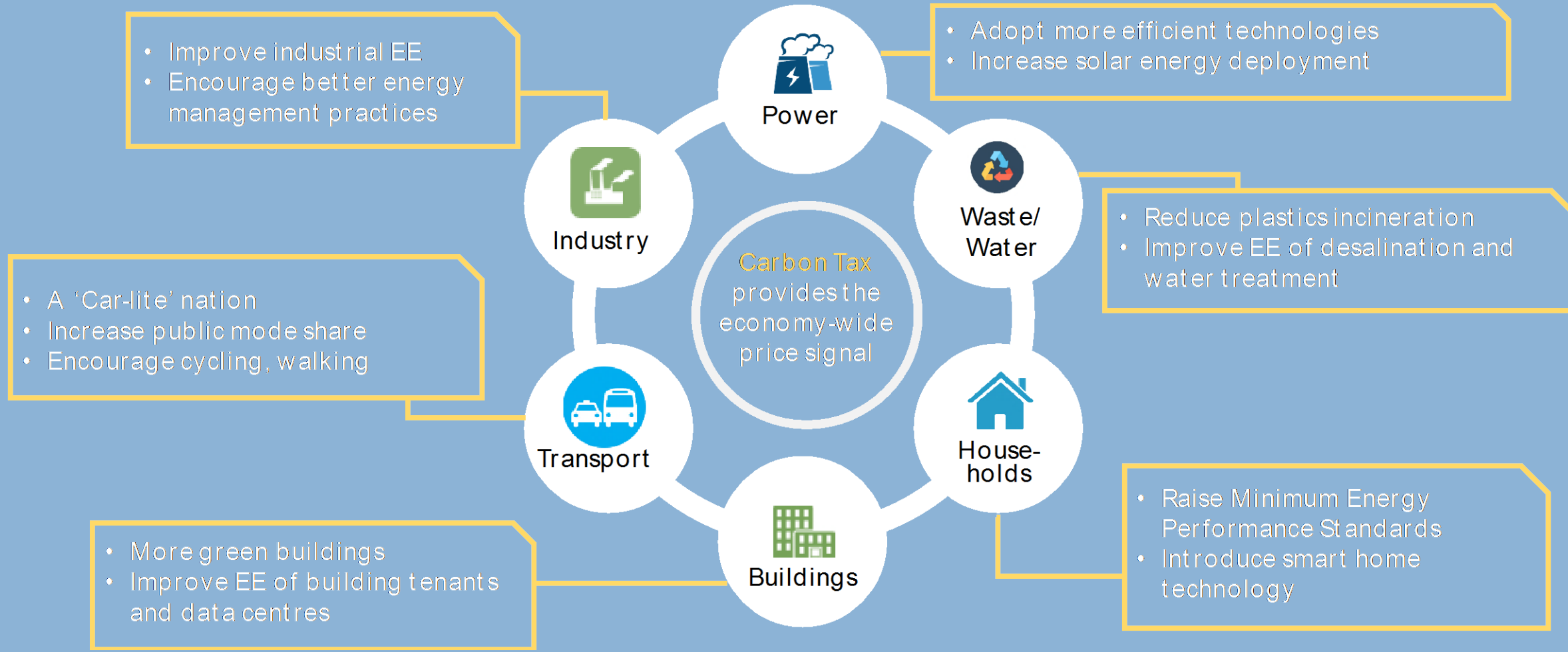


# ACTIVE, BEAUTIFUL, CLEAN WATERS



PM LEE HSIEN LOONG  
AT THE OPENING  
OF BISHAN-ANG MO KIO  
PARK IN 2012

# REDUCING EMISSIONS ACROSS ALL SECTORS







# INVESTING IN CLEAN ENERGY



**FLOATING SOLAR PANELS  
AT RESERVOIRS**



**SOLAR PANELS  
ON ROOFTOPS**



# THRIVING ECOSYSTEM AT SEMAKAU, AN ISLAND CREATED FROM ASH



**MANGROVE SWAMPS AROUND SEMAKAU LANDFILL**

# CLOSING THE WASTE LOOP (FOOD WASTE)

FOOD WASTE  
RECYCLING  
AT SCHOOLS



# CLOSING THE WASTE LOOP (ELECTRONIC WASTE)

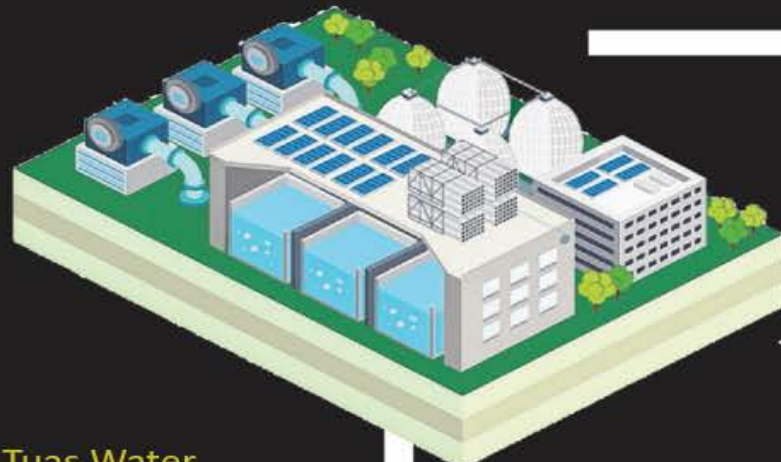


**E-WASTE RECYCLING  
BINS PROVIDED  
BY COMPANIES**

# WASTE-ENERGY-WATER NEXUS: HARNESSING SYNERGIES

## Tuas Nexus

Co-digestion of IWMF's food waste with TWRP's sludge to increase the production of biogas which is used to generate electricity



Tuas Water Reclamation Plant (TWRP)



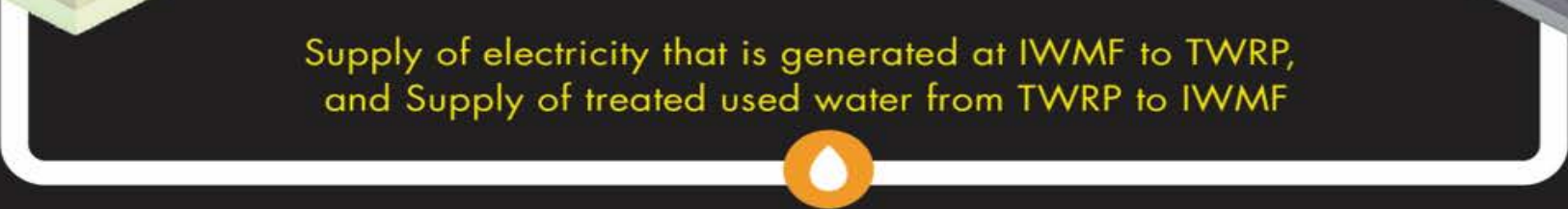
Integrated Waste Management Facility (IWMF)



Use of TWRP's biogas to increase IWMF's overall plant thermal efficiency and power production



Supply of electricity that is generated at IWMF to TWRP, and Supply of treated used water from TWRP to IWMF



# INTEGRATED, INCLUSIVE AND SUSTAINABLE URBAN PLANNING



PUNGGOL ECO-TOWN



PUNGGOL DIGITAL DISTRICT

# WELL-LOVED HAWKER CENTRES



**AFFORDABLE FOOD FOR ALL SINGAPOREANS TO ENJOY**

15 LIFE ON LAND



# CONSERVING OUR BIODIVERSITY



© FINBARR FALLON

**VERTICAL GREENERY BY  
BUILDING DEVELOPERS**

**UNESCO WORLD HERITAGE SITE:  
SINGAPORE BOTANIC GARDENS**



15 LIFE ON LAND



# CONSERVING OUR BIODIVERSITY





# PARTNERSHIPS FOR SUSTAINABILITY



ENERGY-SAVING CHALLENGE



FEEDBACK FARMERS

ENVIRONMENTAL WORKSHOPS IN SCHOOLS



YOUTH VIDEO COMPETITION



# INTERNATIONAL PARTNERSHIPS



ASEAN PLUS THREE YOUTH ENVIRONMENT FORUM



LEARNING FROM OTHER COUNTRIES



UNLEASH INNOVATION LAB



TIANJIN ECO-CITY



**PM LEE HSIEN LOONG  
CARRYING ON THE  
TREE-PLANTING TRADITION**

# **PLANTING TREES FOR THE NEXT GENERATION**