



CAYMAN ISLANDS
GOVERNMENT



DEPARTMENT OF
ENVIRONMENTAL HEALTH

DART

Waste Management Contract Signing



26 March 2021

What is the project?

A partnership to transform waste management in the Cayman Islands:

- Cayman Islands Government and Dart in country's first public-private partnership
- Dart to design, build, finance and maintain new waste infrastructure beside the George Town Landfill
- Operations will be split between Dart and DEH
- Remediation of existing landfill



Waste Management Project Development

A bit of background...

- Since the 1970s, trash has been accumulating at the George Town Landfill
- Peaking at 90 feet above sea level, the existing landfill is running out of space
- Current landfilling practices are unsustainable
- Project will turn landfill site into a green space and create a modern energy recovery and recycling centre



January 2021

New Tipping Area
Starting ~ May 2021

Main Mound
Covered in 2020

Current Tipping
Area

Legacy metals
and ELVs





**New Tipping Area
Starting ~ May 2021**

The map shows a large green area labeled 'Remediated Mound Summer 2022'. To its left is a brown area labeled 'Legacy metals and ELVs processed and exported by 2023'. Further left is an orange-outlined area labeled 'New Tipping Area Starting ~ May 2021'. The site is bordered by a road on the left and a residential area on the right. A highway runs along the bottom. Labels for 'Spencer Ln', 'Estery Roberts Hwy', and 'Seymour Rd' are visible.

Remediated Mound
Summer 2022

Legacy metals
and ELVs
processed and
exported by 2023

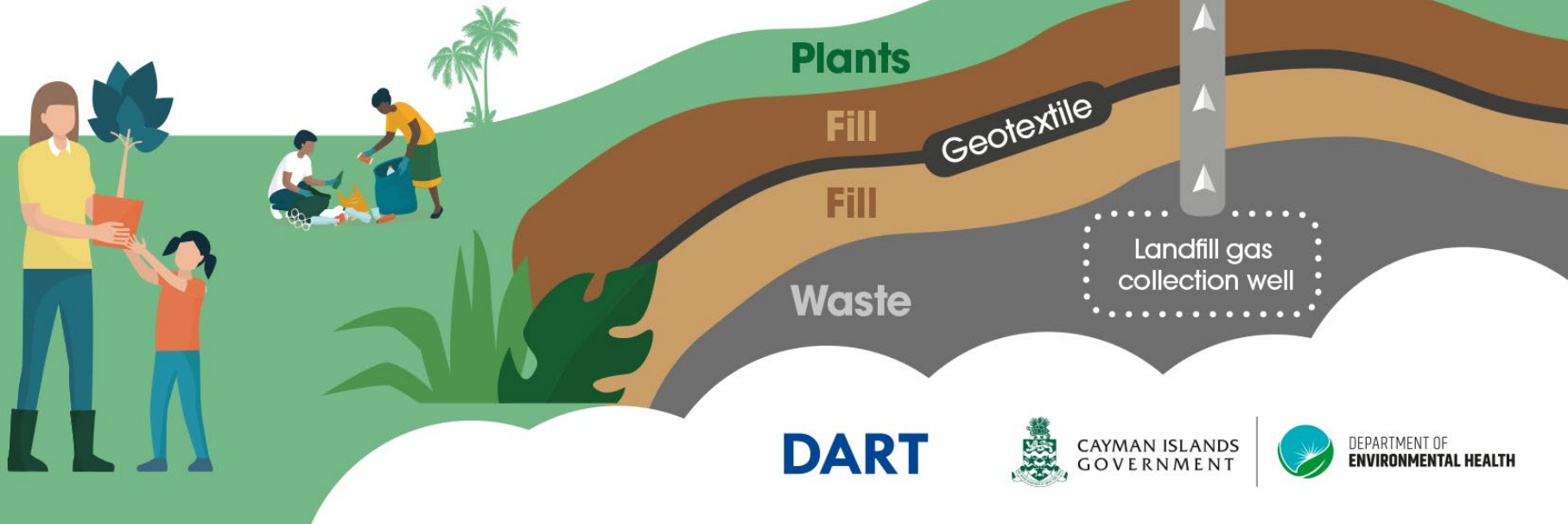
Spencer Ln

Estery Roberts Hwy

Seymour Rd

Next steps in landfill remediation

- Design
- Landfill gas management
- Future use



What facilities does the project include?

Nine, integrated facilities with capacity to divert up to 95% of waste from landfill:

Energy
recovery

Bottom ash
processing

Construction &
demolition waste
processing

Residual
waste landfill

End-of-life
vehicle and
scrap metal
recycling

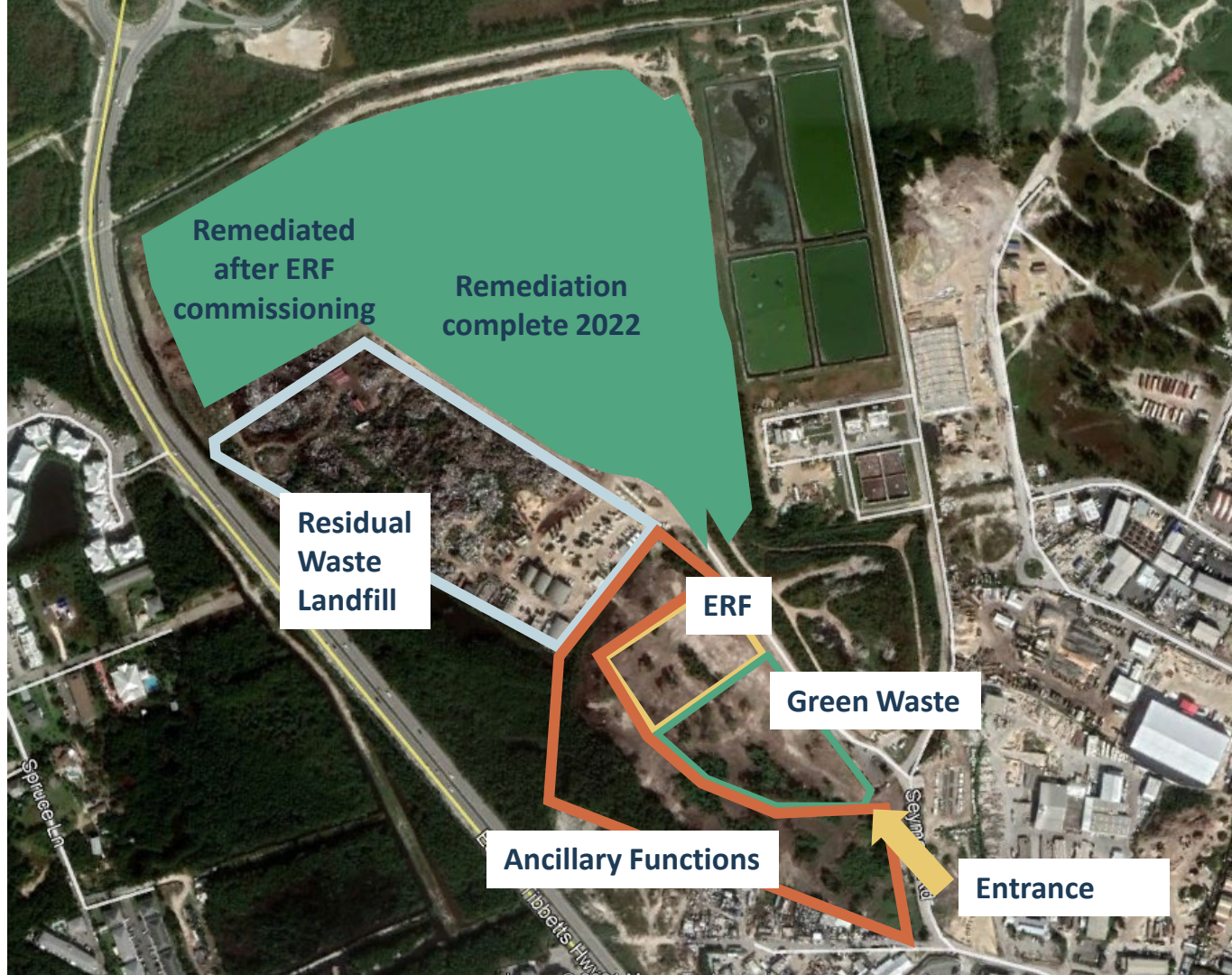
Materials
recovery

Green waste
processing

Household
waste
recycling

Medical waste
processing





Remediated
after ERF
commissioning

Remediation
complete 2022

Residual
Waste
Landfill

ERF

Green Waste

Ancillary Functions

Entrance

From waste to Watts

Energy recovery or waste to energy facility:

- Turning trash into electricity
- Built and operated to EU Industrial Emissions Directive, considered the highest global standard
- Capacity to generate 8.5MW renewable energy to the grid, powering more than 2,000 homes
- Long-term and sustainable, minimising the need for a landfill





ARTISTS' RENDERING

2014

Government consults experts to identify a new waste management solution for the country.

2015

Public consultation for ISWMS.

2016

National Solid Waste Management Strategy and Outline Business Case approved.

2016

Tender process begins for ISWMS contract.

2017

Government announces the Dart-led consortium as the preferred bidder.

2018 - 2019

Technical refinement period; scrap metal recycling begins.

2020

Government approves Dart to begin remediation of the George Town Landfill.

2021

Environmental Impact Assessment including public consultation commences.

2022

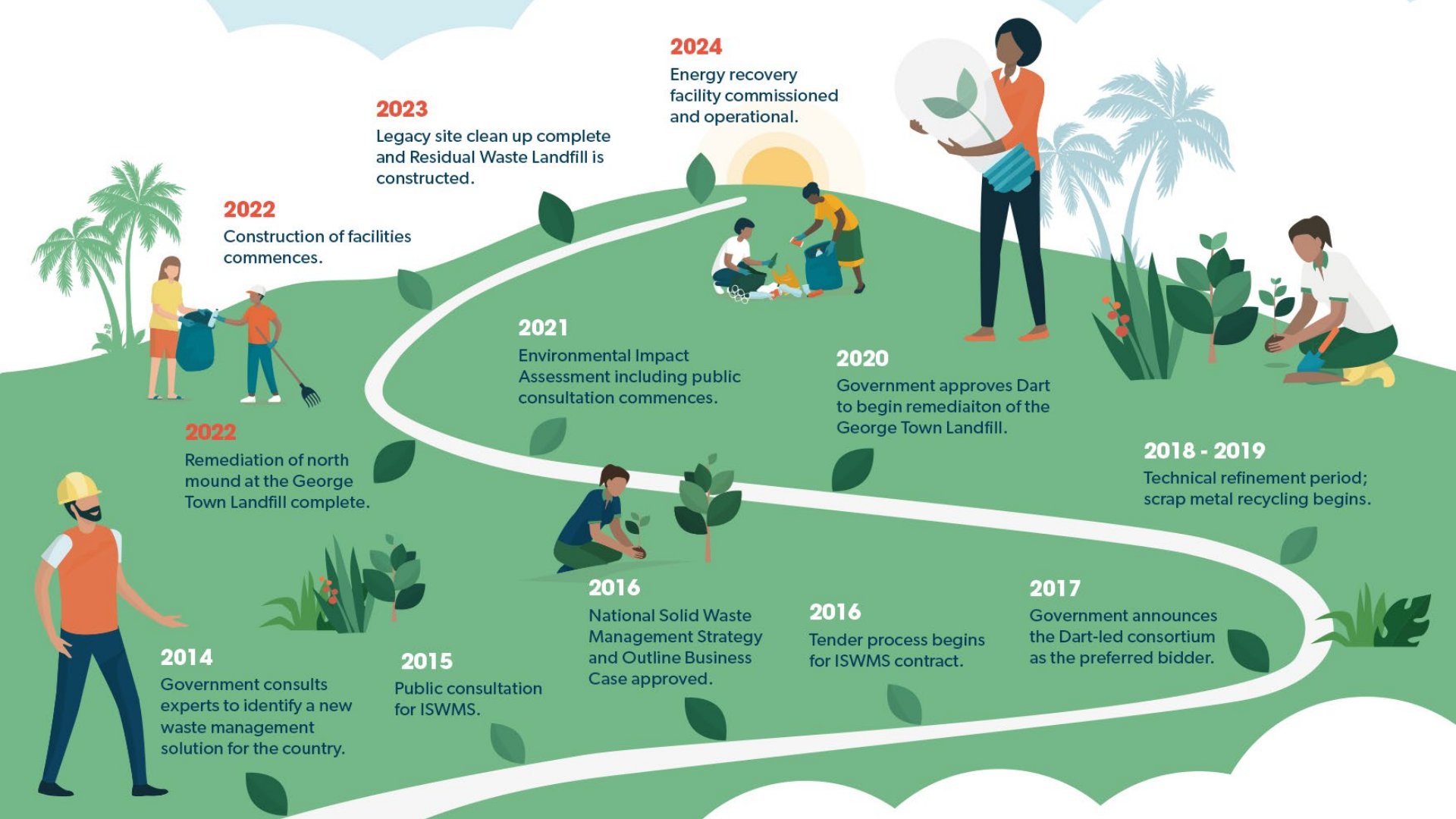
Construction of facilities commences.

2023

Legacy site clean up complete and Residual Waste Landfill is constructed.

2024

Energy recovery facility commissioned and operational.



What will happen in the Sister Islands?

A greener future ahead...

- All waste management by DEH
- Solution commences after energy recovery facility constructed:
- Existing landfills closed, capped and remediated
- Recycling on-island where possible
- Other waste streams shipped to Grand Cayman for processing



How much will this project cost?

- Remediation funded through Environmental Protection Fund
- Construction costs of CI\$205 million financed by Dart
- No cost to Government until fully operational
- Once complete, Government pays average CI\$163 per ton
- Revenue streams through electricity and recycling
- No disposal fees to the public, no plans to introduce disposal fees for commercial operators at this time
- Facilities transferred to Government ownership at the end of the contract period



Why are we building these facilities?

A cleaner, greener Cayman Islands.

- National Solid Waste Management Strategy agreed in 2016
- Long-term, sustainable waste management solution
- Improved recycling
- Turn materials that aren't recycled into electricity to power our homes and businesses
- Promote movement up the waste hierarchy



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