Waste Management Contract Signing
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
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
New Tipping Area Starting ~ May 2021

Legacy metals and ELVs

Main Mound Covered in 2020

Current Tipping Area

January 2021
Remediated Mound
Summer 2022

New Tipping Area
Starting ~ May 2021

Legacy metals
and ELVs
processed and
exported by 2023
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:

<table>
<thead>
<tr>
<th>Facility Type</th>
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<tbody>
<tr>
<td>Energy recovery</td>
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<tr>
<td>Bottom ash processing</td>
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<tr>
<td>Construction &amp; demolition waste</td>
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<tr>
<td>Residual waste landfill</td>
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<tr>
<td>End-of-life vehicle and scrap metal</td>
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<td>Materials recovery</td>
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<tr>
<td>Green waste processing</td>
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<td>Household waste recycling</td>
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<td>Medical waste processing</td>
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New Tipping Area 2021 Remediation complete 2022

Green Waste Remediated after ERF commissioning

Residual Waste Landfill

Ancillary Functions

ERF

Green Waste

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
2022 Construction of facilities commences.

2023 Legacy site clean up complete and Residual Waste Landfill is constructed.

2024 Energy recovery facility commissioned and operational.

2022 Remediation of north mound at the George Town Landfill complete.

2021 Environmental Impact Assessment including public consultation commences.

2020 Government approves Dart to begin remediation of the George Town Landfill.

2018 - 2019 Technical refinement period; scrap metal recycling begins.


2016 Tender process begins for ISWMS contract.

2017 Government announces the Dart-led consortium as the preferred bidder.

2014 Government consults experts to identify a new waste management solution for the country.

2015 Public consultation for ISWMS.
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

REDUCE
REUSE
RECYCLE
RECOVER
DISPOSE