



SWDWP PFI Project Joint Committee

MVV Environment Devonport Ltd.

17th October 2024



**We inspire with
energy.**

Service Report April 23 to March 24

Summary:

The year ending March 2024 was a positive year overall, with greater than design availability, increased carbon savings and minimal public complaints.

Of particular note; the summer 2023 open day resulted in over 2000 visitors on site and is viewed as a particular point of success.



Performance

Contract Year	2020/21	2021/22	2022/23	2023/24
Waste Throughput	257,454	248,178	261,020	253,614
Electricity generated (MWh)	189,870	196,875	205,915	200,461
Heat exported (MWh)	52,291	50,455	50,610	40,961
Availability	88.93%	90.2%	93.8%	91.1%
CO _{2eq} saving	84,358 Tonnes	81,946 Tonnes	88,118 Tonnes	92,547 Tonnes
Unplanned shutdowns	6	5	6	3
Justified Complaints	2	3	2	1



Performance KPI's

Contract Year 2023/24	Target	Actual
Waste Diversion	97%	>99.99%
Availability	90%	91.1%
CO _{2eq} saving	73,594 Tonnes	92,547 Tonnes

Contract Performance Standard breaches

PMF Standard	Number
3.26b – Turnaround Times	17 (0.1% of deliveries)
3.19 Waste Acceptance Protocol	279
3.35 Complaints procedure	1
3.49 Provide Reports	1



Facility improvements & developments

- Signage upgrades to incorporate new logo and changes to PPE
- New ladder inspection regime introduced
- New fire hose reels fitted
- Fire system upgrade
- Mandatory eye protection introduced
- Cardox online cleaning system introduced under trial



Working with the partner councils

- Reinforce the waste hierarchy and support delivery of Partner Councils' key waste minimisation messages
- Facilitate tours and careers Q&A sessions
- Organise and attend local events
- Participate in waste education meetings
- Host partner site tours and waste education visits

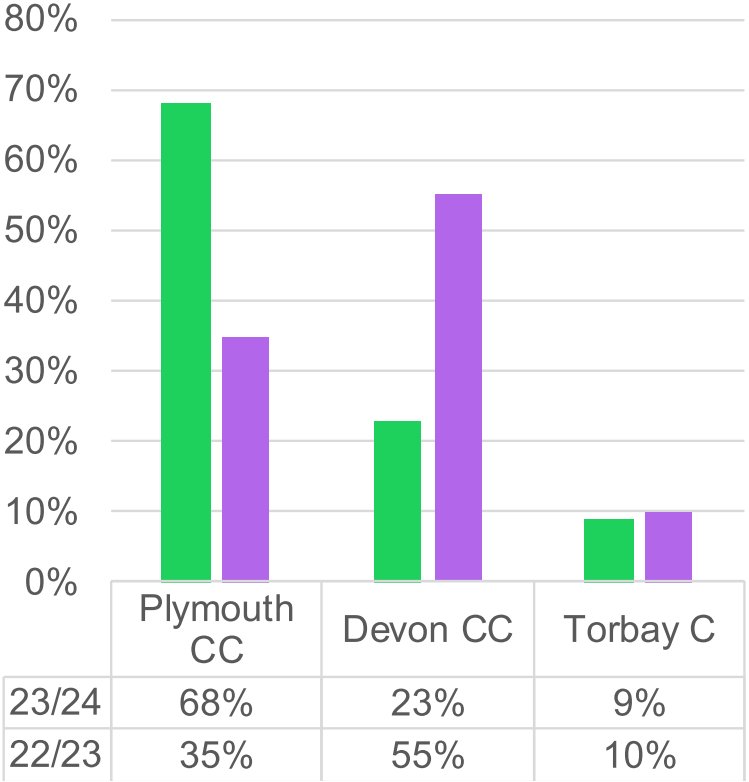


Engagement Table

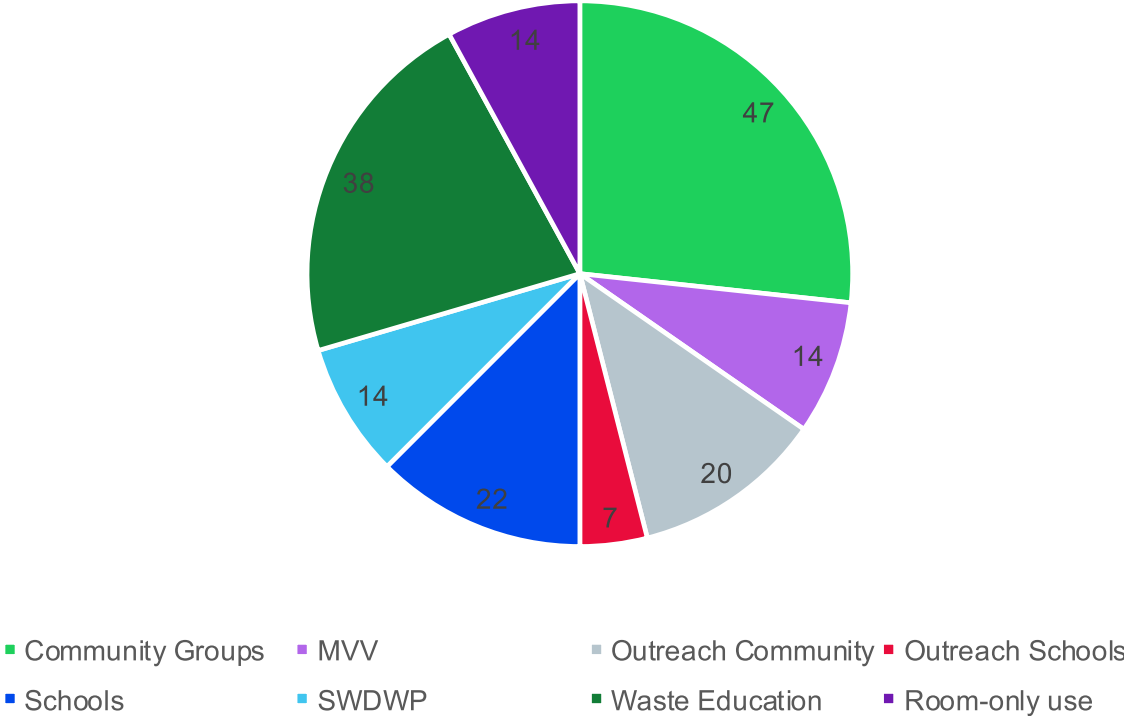
	2019-20	2020-21 (virtual alternatives)	2021-22	2022- 23	2023 - 24
Hours spent with schools	270.5	Development of virtual alternatives 440 students from local schools engaged in virtual tours	129	195.5	142.5
Hours spent on waste education	121		33.5	186.5	145.5
Hours spent with community groups	87		47	72	192
Total	478.5		209.5	454	480



Visitor Centre Usage



Groups by type



OPEN DAY Success!



Open Day 2024!



Looking forward...



MVV UK developments - Medworth, Wisbech

Development Consent Order granted

20th February 2024

Environmental Permit granted

29th May 2024

Judicial Review from Fenland rejected

2nd July 2024



- 2-line, 100 MW_{th} each, grate fired EfW CHP facility, 531,200 @10.9 MJ/kg, max. 625,600 tpa
- 58.6 MW_e net generation in full power mode, up to 49 MW_{th} steam to nearby industry
- Steam pipeline included in DCO along abandoned railway, carbon capture ready

MVV UK developments - Canford Project, Bournemouth

- 1-line, 100 MW_{th} grate fired EfW CHP facility
- Design capacity of 260,000 @10.9 MJ/kg
- 28.5 MW_e net generation in full power mode
- District heating of 5 MW_{th} hot water considered
- Carbon capture ready



Viewed from the West

Planning application submitted

July 2023

Permit application consultation

Until 27th October 2024

Planning Committee meeting

postponed

Start EfW construction

2026/27

Service commencement

2029/30



**Thank you for
your attention!**

Questions

