



Oversight and Governance

Plymouth City Council
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19 October 2023

SOUTH WEST DEVON WASTE PARTNERSHIP - PRESENTATIONS

Thursday 19 October 2023
10.00 am

Members:

Councillor Tyerman, Chair
Councillor Briars-Delve, Vice Chair
Councillors Coker, Croad, Fox, and Hart.

Observer Members:

Councillor Wakeham.

Members are invited to attend the above meeting to consider the items of business overleaf.

For further information on attending Council meetings and how to engage in the democratic process please follow this link – [Get Involved](#)

Tracey Lee

Chief Executive

SOUTH WEST DEVON WASTE PARTNERSHIP

I. CONTRACT AND FACILITY PERFORMANCE AND CURRENT STATUS (Pages 3 - 10)

To receive a presentation summarising the performance of the contract and facility for 2022/23 and its current status by the SWDWP contract team.

I. COMMUNITY INTERFACE, COMMUNICATIONS AND EDUCATIONAL PRESENTATION (Pages 11 - 22)

To receive an update on community interface, communications and educational activities from Jade Beavan.

SWDWP Joint Committee

19th October 2023



Annual Performance Summary and Project Update

SWDWP Overview of 2022/23



- EfW facility has been fully operational for 8 years
- MVV's overall 2022/23 service and performance was good but saw an increase in amount and range of performance deductions applied for failing to meet requirements, likely a result of improved monitoring regimes.
- Improved availability from previous year by 3% with 93.8% availability despite increase in number of unplanned outages.
- MVV have complied with planning and environmental permit conditions with 5 exceptions relating to exceedances of half hourly average in emissions.
- 4 odour complaints; 2 attributed to site activities due to roof vents opened for safety reasons.

MVV Contract and Facility Performance 2022/23 Summary



- MVV achieved 99.9% diversion from landfill (vrs 97% target)
- Carbon savings of 88,118 tCO₂/year (vrs 73,594 tCO₂/year expected)
- Plant availability 93.8% (91% target) with 6 unplanned shutdowns
- 5 exceedance of Environmental Permit:
 - 5 Exceedance of 30 minute emission averages
- 54 Performance Failures relating to:
 - Vehicle turn-around times (0.02% of all vehicles)
 - Waste acceptance and ticket issuing
 - Maintaining IT equipment
 - Community Area availability
 - Others relating to the facility and its site boundaries
- Annual waste throughput of 261,020 (265,000 permitted)



SWDWP Tonnage and Budget 2022/23

	Plymouth	Torbay	Devon	SWDWP
Contract Tonnage profile	84,512	29,236	63,403	177,151
Forecast Tonnage	86,961	42,500	59,147	188,608
Actual Tonnage	83,181	39,223	57,640	180,044
Forecast Budget	£9.02m	£4.45m	£6.21m	£19.68m
Actual Out Turn Expenditure	£8.38m	£3.90m	£5.89m	£18.17m
Defra WIG (PFI grant)	£3.41m	£1.18m	£2.56	£7.14m

- SWDWP original forecast given to MVV for 2022/23 = 188,608
- SWDWP 4.5% below tonnage forecast
- SWDWP total budget expenditure 7.6% below forecast

2023/24 Contract Update and Current Status



MVV and Facility Performance 2023/24 (so far):

- Due to plant efficiency across the years, MVV has requested SWDWP's approval to increase capacity by 10ktp/a on permitted amount through Consent variation applications. Currently awaiting LPA decision but Permit approved.
- Outage was conducted between 13th June and 4th July, totalling 504 hours of work. Only 1 odour complaint reported during this time and extensive works conducted including grate re-surfacing and replacement of the IBA de-slaggers.
- 12 Performance Failures for minor operational matters surrounding vehicle deliveries and waste acceptance.

Partnership Waste Deliveries – 2023/24 to date (Apr – Sep)

	Total tonnage to date
Plymouth Forecast	41,543
Plymouth Actual	41,942
Torbay Forecast	21,221
Torbay Actual	20,758
Devon Forecast	34,601
Devon Actual	31,494
SWDWP Forecast	97,365
SWDWP Actual	94,194



- Partnership currently 3.26% below forecast

Community Communications

April – September 2023 Summary



Complaints	2	2 odour complaints reported, MVV conducted site checks but unable to detect odour or attribute a specific cause.
Enquiries	1	Continued liaison with PCC Information Officer and ICO regarding serial FOI complainant – latest involving a 12-week investigation by the ICO but complaint not upheld.
Liaison Groups	1	Incinerator Liaison Committee meeting
Consent Breaches	2	Breaches of half hourly CO limit during start up following unplanned outage and a boiler trip. Reported to the EA as required.

Any questions?





SWDWP PFI Project Joint Committee

MVV Environment Devonport Ltd.

19th October 2023

We inspire with
energy.

Service Report April 22 to March 23

Summary:

- Positive year operationally
- No annual maintenance outage
- Visitor numbers and education programmes are approaching and beyond pre-Covid 19 years
- 99.9% of contract waste treated onsite (3.22 tonnes to landfill)





Performance

Contract Year	2019/20	2020/21	2021/22	2022/23
Waste Throughput	267,230	251,038	248,178	261,020
Electricity generated (MWh)	206,136	203,537	196,875	206,915
Steam generated (MWh)	47,480	57,140	50,455	50,610
Availability	93.39%	88.93%	90.2%	93.8%
CO _{2eq} saving	83,565 Tonnes	84,358 Tonnes	81,946 Tonnes	88,118 Tonnes
Unplanned shutdowns	4	6	5	6
Justified Complaints	2	2	3	2



Facility improvements & developments

- Fire roll call integrated with site access system
- Contractor welfare facility complete
- LED lighting upgrade undertaken
- MVV remains committed to exploring district heating opportunities



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 SWDWP training events



The visitors centre

	2017-18	2018-19	2019-20	2020-21 (virtual alternatives)	2021-22	2022- 23
Hours spent with schools	142.5	266.5	280.5	Development of virtual alternatives 440 students from local schools engaged in virtual tours	129	195.5
Hours spent on waste education	112	138.5	121		33.5	186.5
Hours spent with community groups	130.5	126	87		47	72





Looking forward...



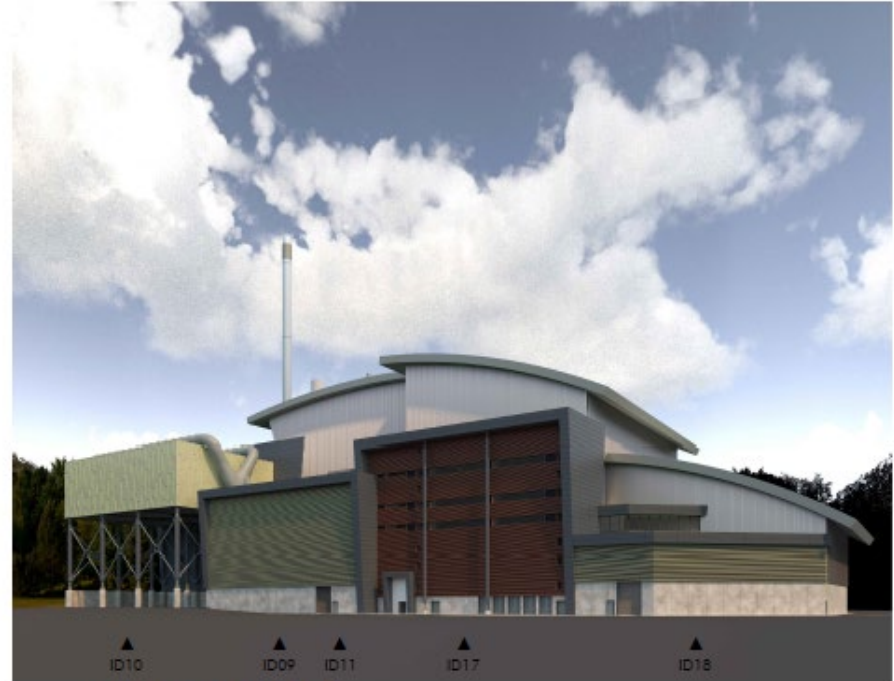
MVV UK developments - Medworth, Wisbech



- Recover useful, sustainable, energy from residual municipal waste
- Divert around half a million tonnes of non-recyclable waste per annum from landfill/export
- Generate over 50 MW of electricity and up to 30 MW of usable steam to supply local industrial customers
- Surplus electricity to the national grid
- Planned operational date: 2027

Canford Project

- Recover useful, sustainable, energy from residual municipal waste
- Divert around 260,000 tonnes of non-recyclable waste per annum from landfill/export
- Generate over 30 MW of electricity and usable steam for local industrial customers
- Surplus electricity to the national grid
- Planned operational date: 2027/8



AS VIEWED FROM THE WEST
NTS



A milestone to greener energy



Thank you for your attention!

Questions

