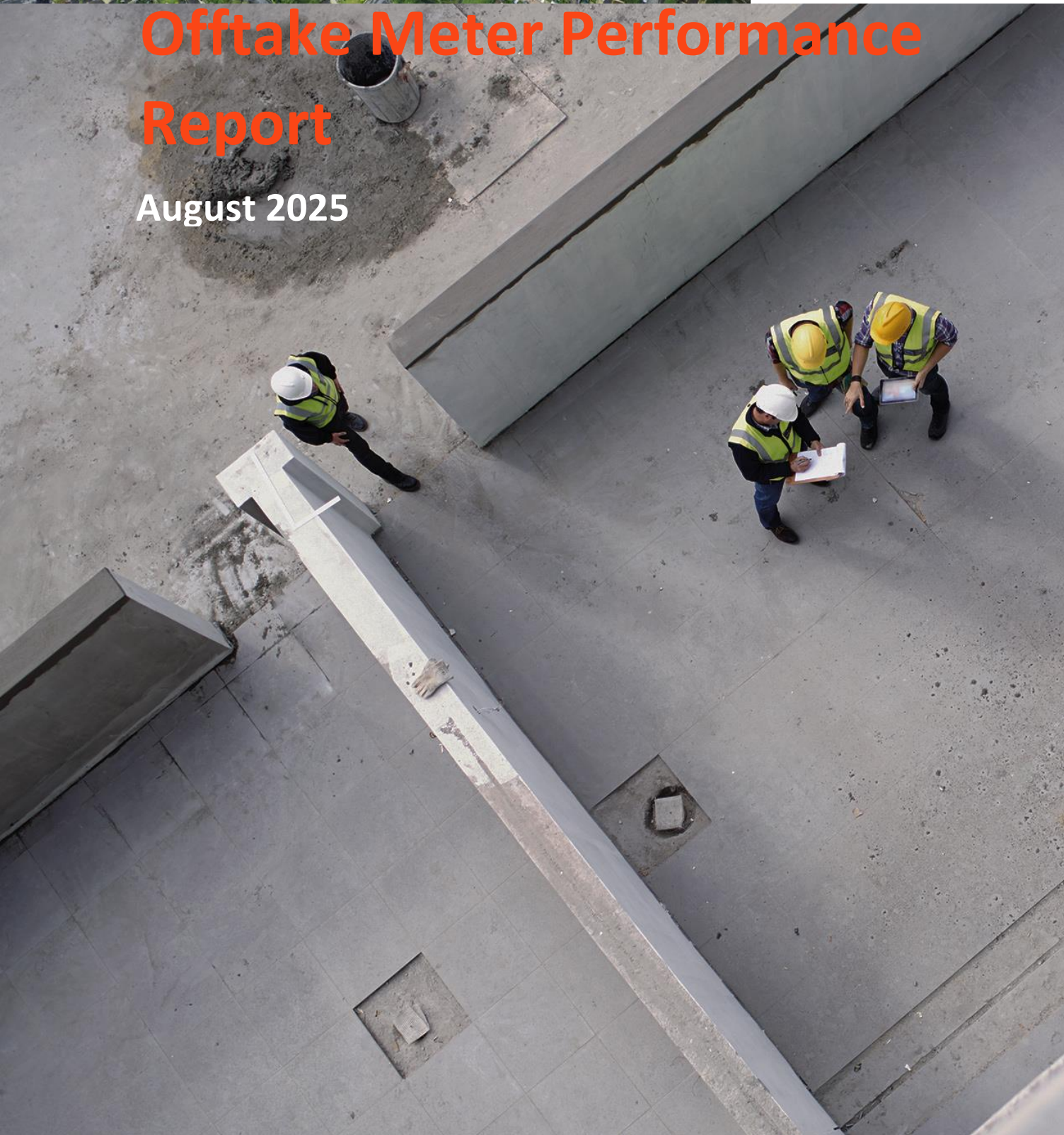




Offtake Meter Performance Report

August 2025



Offtake Meter Performance

Cadent operates and maintains a number of exit points from the National Gas Transmission System where offtake flow is measured and validated in accordance with the UNC and The Gas (Calculation of Thermal Energy) Regulations.

Report to the Performance Assurance Committee August 2025.

Requirements

1. Number and magnitude of Meter Error reports.
2. Annual ME2 Meter Validation report.

Introduction

This document has been written to demonstrate that instrumentation and equipment associated with measurement systems for the calculation of mass, volume or energy flow rate of gas are functioning correctly. The ME2 Part 3 Work Procedure for Flow Weighted Average Calorific Value (FWACV) Offtakes is used to ensure metering equipment at the offtakes are validated and maintained correctly, thus ensuring that the complete metering system continues to perform within the uncertainty requirements.

ME2 Part 3 - FWACV Offtakes

The ME2 Part 3 Work Procedure sets out a number of tests and calibrations designed to ensure all aspects of flow metering such as flow computers, pressures and temperatures are setup and working within tolerances.

All sites must be validated annually with a maximum interval of twelve (12) months between validations.

Meter Errors

The Offtake Arrangements Document (OAD) requires the Offtake metering Measurement Equipment to be operating within its "Permitted Range" as indicated in the site specific "Supplemental Agreement". If the Measurement Equipment is found to be operating outside its Permitted Range or with a systematic bias it is classed to be a "Fault".

The Measurement Error Notification Guidelines only require the notification of faults which are likely to result in a systematic bias to the measured quantity. They do not cover faults associated with equipment operating outside its permitted range when the mismeasurement is of a random nature.

Systematic bias is deemed to be a bias resulting from the measurement system, leading on average to biases in measurement which results in measured values being systematically too high or too low.

Reconciliation

On identification of a possible meter error the Distribution Network is required to supply corrected readings for reconciliation only when the fault identified has a systematic bias of over 0.1% of the total offtake flow during the period of the error. These corrected readings are supplied as part of the "Measurement Error Report (MER)" or the "Significant Measurement Error Report (SMER)," where a SMER will be an error estimated to exceed 50 GWh.

Null Reports

Should the magnitude of the total error be calculated to be less than 0.1% of the total offtake flow during the period of the meter error then no reconciliation will be made for any day within the error duration and a null report written.

Requirements

1. Meter Error Reports

1 Meter error for the period of August 2024 to July 2025 were reported.

Table 1 – Summary of Meter Error Reports – Aug 2024 to July 2025

Offtake	LDZ	Downstream Transporter	Significance Low <30GWH Medium >=30<50GWh High >=50GWh	Declared volume of error (MCM)	Estimated quantity of error (GWh)	Discovered	Error First Notified
Weston Point MTB	NW	Cadent Gas Limited - DN (NW)	Low	Null	Null	14/08/2024	14/08/2024

2. Annual ME2 Meter Validations

ME2 Metering Validation activities for the period August 2024 to July 2025 as shown in Table 2.

ME2 Metering Validation Summary

77 individual metering streams were inspected and tested following the ME2 Metering Validation Work Procedure. 9 metering streams were started outside of the 12-month validation window, either due to scheduling constraints or where other work prevented it.

Table 2 – Summary of ME2 Meter Validations – Aug 2024 to July 2025

Site Name	Meter Stream	LDZ	Meter Type	Open Meter Error Reports	Last Validation End Date	Validation Start Date	Validation End Date	Started within 12 months of last?	Reconciliation required?	Comments
ALREWAS EM	MTD	WM	OP		10/05/2024	06/05/2025	09/05/2025	Y		
ALREWAS WM	MTA	WM	OP		20/05/2024	29/04/2025	02/05/2025	Y		
ALREWAS WM	MTB	EM	OP		20/05/2024	29/04/2025	02/05/2025	Y		
ASPLEY	MTA	WM	OP		24/05/2024	19/05/2025	22/05/2025	Y		
ATHERSTONE	MT1	WM	TURB		09/02/2024	06/02/2025	06/02/2025	Y		
ATHERSTONE	MT2	WM	TURB		09/02/2024	06/02/2025	06/02/2025	Y		
AUDLEY NW	MTC	NW	OP		12/04/2024	22/04/2025	25/04/2025	N		Started after anniversary date due to unexpected increase in Operational activity
AUDLEY WM	MTE	WM	OP		30/04/2024	07/04/2025	11/04/2025	Y		
AUDLEY WM	MTD	WM	OP		30/04/2024	07/04/2025	11/04/2025	Y		
AUSTREY	MO1	WM	OP		04/07/2024	08/07/2025	11/07/2025	N		Started after anniversary date due to unexpected increase in Operational activity
BACTON	UMA	EofE-EA	USM		27/02/2024	29/01/2025	03/02/2025	Y		
BACTON	UMB	EofE-EA	USM		27/02/2024	29/01/2025	03/02/2025	Y		
BLABY	MO1	EofE-EM	OP		20/10/2023	13/10/2024	18/10/2024	Y		
BLACKROD	MTA	NW	OP		07/06/2024	02/06/2025	05/06/2025	Y		
BLACKROD	MTB	NW	OP		07/06/2024	02/06/2025	05/06/2025	Y		
BLYBOROUGH	MTA	EofE-EM	OP		13/05/2024	12/05/2025	16/05/2025	Y		
BRACKNELL	MO1	NL	OP		12/01/2024	13/01/2025	17/01/2025	N		Started after anniversary date due to unexpected increase in Operational activity
BRISLEY	UMA	EofE-EA	USM		28/01/2025	08/07/2025	11/07/2025	Y		
BRISLEY	UMB	EofE-EA	USM		28/01/2025	08/07/2025	11/07/2025	Y		
CALDECOTT	MO1	EofE-EM	OP		16/02/2024	28/10/2024	04/11/2024	Y		
DROINTON	MT1	EofE-EM	USM		24/11/2023	26/11/2024	29/11/2024	N		Started after anniversary date due to unexpected increase in Operational activity
DROINTON	MT2	EofE-EM	USM		24/11/2023	26/11/2024	29/11/2024	N		
DUNSTALL GREEN	UMA	NL	USM		06/09/2024	16/06/2025	20/06/2025	Y		
DUNSTALL GREEN	UMB	NL	USM		06/09/2024	16/06/2025	20/06/2025	Y		
ECCLESTON	MTA	NW	OP		04/04/2024	31/03/2025	02/04/2025	Y		

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Site Name	Meter Stream	LDZ	Meter Type	Open Meter Error Reports	Last Validation End Date	Validation Start Date	Validation End Date	Started within 12 months of last?	Reconciliation required?	Comments
GOSBERTON	MTA	EofE-EM	OP		18/06/2024	16/06/2025	25/06/2025	Y		
GREAT WILBRAHAM	MO1	EofE-EA	OP		15/09/2023	08/09/2024	12/09/2024	Y		
HOLMES CHAPEL	MTA	NW	OP		19/06/2024	16/06/2025	18/06/2025	Y		
HORNDON	UMA	NL	USM		05/06/2024	02/06/2025	09/06/2025	Y		
HORNDON	UMB	NL	USM		05/06/2024	02/06/2025	09/06/2025	Y		
HYDES PASTURES	MO1	WM	OP		14/03/2024	03/03/2025	07/03/2025	Y		
KIRKSTEAD	MRA	EofE-EM	TURB		24/05/2024	19/05/2025	23/05/2025	Y		
KIRKSTEAD	MRB	EofE-EM	TURB		24/05/2024	19/05/2025	23/05/2025	Y		
LEAMINGTON	UMA	WM	USM		25/01/2024	16/01/2025	23/01/2025	Y		
LEAMINGTON	UMB	WM	USM		25/01/2024	16/01/2025	23/01/2025	Y		
LOWER QUINTON	MT1	WM	USM		12/01/2024	06/01/2025	09/01/2025	Y		
LOWER QUINTON	MT2	WM	USM		12/01/2024	06/01/2025	09/01/2025	Y		
LUPTON	MTA	NW	OP		15/05/2024	12/05/2025	14/05/2025	Y		
LUXBOROUGH LANE	MTA	NL	OP		16/05/2024	08/07/2025	23/07/2025	N		ME2 Delayed due to line strike incident in the local area which meant Lux Lane was backed out and not in use until repair had taken place, this was resolved in July and the ME2 completed in full
LUXBOROUGH LANE	MTB	NL	OP		16/05/2024	08/07/2025	23/07/2025	N		
MALPAS	MT1	NW	TURB		31/01/2024	27/01/2025	29/01/2025	Y		
MARKET HARBOROUGH	MO1	EofE-EM	OP		25/03/2024	10/03/2025	14/03/2025	Y		
MATCHING GREEN	UMA	EofE-EA	USM		16/08/2024	16/06/2025	20/06/2025	Y		
MATCHING GREEN	UMB	EofE-EA	USM		16/08/2024	16/06/2025	20/06/2025	Y		
MICKLE TRAFFORD	MTA	NW	OP		03/07/2024	30/06/2025	02/07/2025	Y		
MILWICH	MTA	WM	OP		13/06/2024	24/06/2025	07/07/2025	N		Started after anniversary date due to unexpected increase in Operational activity
PARTINGTON	MO1	NW	OP		06/03/2024	03/03/2025	05/03/2025	Y		
PETERBOROUGH EYE OFFTAKE MO1	MO1	EofE-EA	OP		11/10/2023	30/09/2024	03/10/2024	Y		
PETERBOROUGH EYE OFFTAKE MO2	Mo2	EofE-EA	OP		11/10/2023	30/09/2024	03/10/2024	Y		

Site Name	Meter Stream	LDZ	Meter Type	Open Meter Error Reports	Last Validation End Date	Validation Start Date	Validation End Date	Started within 12 months of last?	Reconciliation required?	Comments
PETERS GREEN 1 ASCOT/HEDGERLEY	MTA	NL	USM		11/08/2023	05/08/2024	09/08/2024	Y		
PETERS GREEN 1 ASCOT/HEDGERLEY	MTB	NL	USM		11/08/2023	05/08/2024	09/08/2024	Y		
PETERS GREEN 2 SOUTH MIMMS	MTC	NL	OP		18/04/2024	08/04/2025	15/04/2025	Y		
PETERS GREEN 2 SOUTH MIMMS	MTD	NL	OP		18/04/2024	08/04/2025	15/04/2025	Y		
ROSS	MO1	WM	OP		15/09/2023	09/09/2024	12/09/2024	Y		
ROUDHAM HEATH	MO1	EofE-EA	OP		15/03/2024	13/03/2025	17/03/2025	Y		
ROYSTON	MT1	EofE-EA	TURB		19/10/2023	14/10/2024	17/10/2024	Y		
ROYSTON	MT2	EofE-EA	TURB		19/10/2023	14/10/2024	17/10/2024	Y		
RUGBY	UMA	WM	USM		12/10/2023	02/09/2024	06/09/2024	Y		
RUGBY	UMB	WM	USM		12/10/2023	02/09/2024	06/09/2024	Y		
SAMLESBURY	MTA	NW	OP		17/07/2024	14/07/2025	16/07/2025	Y		
SILK WILLOUGHBY	MT1	EofE-EM	USM		22/09/2023	16/09/2024	20/09/2024	Y		
SILK WILLOUGHBY	MT2	EofE-EM	USM		22/09/2023	16/09/2024	20/09/2024	Y		
STRATFORD-UPON-AVON	MT1	WM	USM		08/11/2023	05/11/2024	07/11/2024	Y		
STRATFORD-UPON-AVON	MT2	WM	USM		08/11/2023	05/11/2024	07/11/2024	Y		
SUTTON BRIDGE	MT1	EofE-EM	TURB		18/08/2023	12/08/2024	16/08/2024	Y		
SUTTON BRIDGE	MT2	EofE-EM	TURB		18/08/2023	12/08/2024	16/08/2024	Y		
THORNTON CURTIS	MTA	EofE-EM	OP		19/04/2024	22/04/2025	28/04/2025	N		Started after anniversary date due to unexpected increase in Operational activity
TUR LANGTON	MTA	EofE-EM	OP		24/07/2024	07/07/2025	11/07/2025	Y		
WALESBY	MT1	EofE-EM	TURB		19/01/2024	06/01/2025	13/01/2025	Y		
WALESBY	MT2	EofE-EM	TURB		19/01/2024	06/01/2025	13/01/2025	Y		
WARBURTON	MTA	NW	OP		25/04/2024	22/04/2025	24/04/2025	Y		
WEST WINCH	MO1	EofE-EA	OP		07/03/2024	04/03/2025	07/03/2025	Y		
WESTON POINT	MO1	NW	OP		16/08/2023	12/08/2024	14/08/2024	Y		
WHITWELL	MTA	EofE-EA	OP		10/06/2024	27/05/2025	03/06/2025	Y		
WHITWELL	MTB	EofE-EA	OP		10/06/2024	27/05/2025	03/06/2025	Y		
WINKFIELD NT	MTC	NL	OP		20/03/2024	10/03/2025	13/03/2025	Y		
YELVERTON	MO1	EofE-EA	OP		21/09/2023	17/09/2024	23/09/2024	Y		