

Data Quality & Audit & Issue Management



Agenda

Data Quality

Audit

Issue Management

Data QA Layers

Validation: billing data anomalies

Utility Analytics

Validation: data set completeness

Data Health Checks

Validation: data integrity

Connectors

Data Load Receipts - Connectors

- Automated data upload (Email / FTP / Web)
- Enable Data Receipt Notification preferences
- Set Data Manager / Data Assurance Role

Data can be automatically uploaded to the platform by email, FTP and web upload. You can define notification preferences below

Internal Data Automation - Data can be created and or uploaded by contacts within your organization to the platform

Will you be providing automated data from internal resources to the platform?

No automated data will be supplied

Third Party Data or Supplier Data - Suppliers like electricity retailers, fleet managers etc. can forward data on your behalf

Will third parties be providing automated data to you in the platform?

No automated data will be supplied

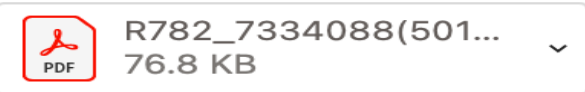
[EXTERNAL] [Envizi Report]: Data Loading Receipt:
Envizi_Records_TELCO_DEWA_DUB01_Electricity_01042023.xlsx



messenger@envizi.com <messenger@envizi.com>

Wednesday, 4 October 2023 at 12:09 PM

To: Indra S Kumari



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Please find attached the following report (Data Loading Receipt) created on 04 Oct 2023 12:09:17 PM containing 5 page(s)

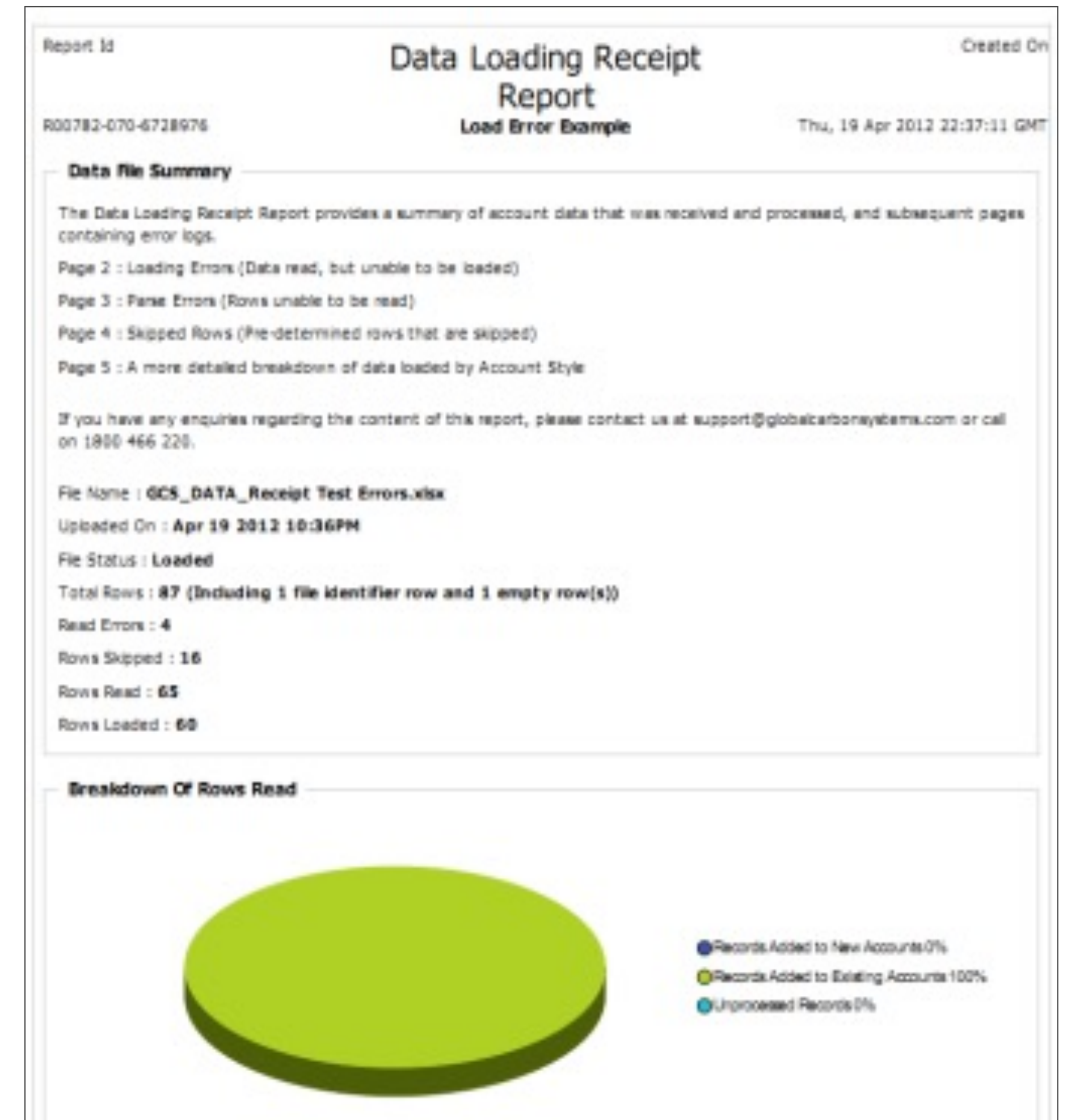
Data loading receipt report

What is it?

- > Summarizes the outcome of a data file loaded into Envizi
- > Emailed from Envizi to designated System Administrators when files are sent into the Envizi platform for loading

Why is it important?

- > Confirms what data has been loaded from a particular source file
- > Highlights any potential data that may not have loaded or loaded incorrectly
- > Provides an ongoing historical audit trail of data files loaded into Envizi



File Processed – Accounts & Setup

- File Status : Error / Loaded
- View Load Errors
- View Parse Errors

Data Completeness

Data Health Check Reports

- Power Report – [Account Data Health Check](#)
- Extract Report
 - [Account Incomplete Data](#)
 - Monthly Data Summary

Data Health Check for Utilities

- Power Reports
 - Data Health Checky by Supplier
 - Data Health Checky by Account
 - Data Health Checky by Location

Accruals

- Accruals are automatically calculated by the system
 - For Automated gap-filling for missing data
 - For Automated estimates for future months
- Select methodology based on historical patterns
- Applies to consumption (activity) data, cost and CO2
- Can enable and disable at any time
- Can be applied to future periods – up to 24 months in the future
- Used to understand estimated emissions for current reporting year even though some data not yet captured.

Available accrual methodologies

Methodologies for consumption accruals:

- Last 12 months*
- Last 18 months*
- Last 24 months*
- Entire data set
- Last Available Month
- Same Month Last Year
- Weighted Average
- Using linked interval meter data

Methodologies for cost accruals:

- Same as consumption's methodology
- Last Invoice

Average daily value
for the chosen
historical period

X

of days of missing
data for the month

= accrual value for
the month

Available accrual methodologies

- Methodology - Select at implementation time
- Applies to all data sets
- Can change the methodology / settings
- New method applies at monthly refresh
- Calculates after loading data / updating records
- Insert “0” to record to stop accrual calculation on Account

Audit History

Audit History

- Various Reports available
- Extract Reports
 - Audit History
 - Account Audit History
 - SRM Audit History
 - Programs Actions Audit
 - Records & Cost Audit History

IBM APAC / WS1 Bank - London Co / WS1 Bank - London Co-Gas S1 - Gasoline Stationary - gal

SummaryTrackAnalyzeReviewMore

Records

7 Rows

CAPTURE DATAACTIONS

<input type="checkbox"/>	Start Period	End Period	Quantity	Units	Total Cost	Reference	Account	Account Reference
				Select Filter		Select Filter	Select Filter	Select Filter
<input checked="" type="checkbox"/>	7/1/2023	9/30/2023	1,210	gal	7,005.9		WS1 Bank - London Co-Gas	
<input type="checkbox"/>	4/1/2023	6/30/2023	1,330	gal	7,700.7		WS1 Bank - London Co-Gas	
<input type="checkbox"/>	1/1/2023	3/31/2023	1,620	gal	9,379.8		WS1 Bank - London Co-Gas	
<input type="checkbox"/>	10/1/2022	12/31/2022	1,430	gal	8,279.7		WS1 Bank - London Co-Gas	

Edit RecordDelete Record(s)IssuesAudit HistoryForward the Sou

View changes related to the selected record

Records History

1 Row

<input checked="" type="checkbox"/>	Account	Account Item Type	Occurred On	Change	Updated by	Start Period	End Period	Reference
<input checked="" type="checkbox"/>	WS1 Bank - London Co-Gas	Invoice	1/31/2024 6:58 AM	Insert	System User	7/1/2023	9/30/2023	

Issue Management

Issue Management

- Issue – Information linked to specific entity in hierarchy
 - Location / Account / Meter / Record
- Types:
 - Data Capture
 - Data Anomaly
 - Survey Data Collection
 - Value Chain Surveys
 - Building Energy Performance
- Track Issues through Issue management dashboards
- Supported through Kanban boards