

The Agentic Auditor: A Multi-Agent Architecture for Scalable Tariff Analysis

Key Technologies

- **Orchestration:** Apache Airflow 3.1.0
- **Database:** PostgreSQL 14 + AWS RDS/Reroku
- **Cloud Storage:** AWS S3 (boto3)
- **Frontend:** Streamlit (+ Streamlit Cloud)
- **LLM:** OpenAI API + LangChain
- **PDF Processing:** pdfplumber, camelot
- **Backend:** FastAPI, Flask
- **ORM:** SQLAlchemy
- **Auth:** JWT tokens
- **Containers:** Docker & Docker Compose
- **Data:** pandas, numpy, polars
- **NLP:** spaCy, LangChain
- **Async:** asyncio, aiohttp, greenlet
- **Deployment:** AWS (RDS, S3) + Streamlit Cloud

AWS RDS: DATA BASE

The screenshot shows the AWS RDS (Aurora and RDS) Databases page. On the left, there's a navigation sidebar with links for Dashboard, Databases (which is selected), Performance insights, Snapshots, Exports in Amazon S3, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom engine versions, Zero-ETL integrations, Events, Event subscriptions, Recommendations (0), and Certificate update.

The main content area is titled "Databases (1)". It features a search bar labeled "Filter by databases". Below it is a table with the following columns: DB identifier, Status, Role, Engine, Upgrade rollout ..., Region & AZ, and Size. A single row is listed:

DB identifier	Status	Role	Engine	Upgrade rollout ...	Region & AZ	Size
utility-billing-ai	Available	Instance	PostgreSQL	SECOND	us-east-2b	db.t4g.micro

At the top right of the main area, there are buttons for "Group resources", "Modify", "Actions", "Create database", and a dropdown menu. There are also navigation arrows and a gear icon at the bottom right of the table.

AWS | Search [Option+S] United States (Ohio) hpatil2@buffalo.edu

Amazon S3

Buckets

- General purpose buckets
- Directory buckets
- Table buckets
- Vector buckets [New](#)

Access management and security

- Access Points
- Access Points for FSx
- Access Grants
- IAM Access Analyzer

Storage management and insights

- Storage Lens
- Batch Operations

Account and organization settings

AWS Marketplace for S3

General purpose buckets All AWS Regions Directory buckets

General purpose buckets (1) [Info](#)

Buckets are containers for data stored in S3.

Find buckets by name

[Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Name	AWS Region	Creation date
utility-billing-storage	US East (Ohio) us-east-2	December 4, 2025, 23:32:31 (UTC-05:00)

Account snapshot [Info](#) [View dashboard](#) Updated daily Storage Lens provides visibility into storage usage and activity trends.

External access summary - new [Info](#) Updated daily External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.



IAM



S3



Aurora and RDS



VPC



EC2



Billing and Cost Management

Boost Performance & Scale with Postgres Advanced. [Join Pilot Now!](#)

Personal > postgresql-colorful-20549

SERVICE heroku-postgresql PLAN essential-0 BILLING APP utility-billing-ai

[Overview](#) [Credentials](#) [Durability](#) [Dataclips](#) [Settings](#)

HEALTH

Available

PRIMARY Yes VERSION 17.5 CREATED 2 days ago MAINTENANCE Unsupported ⓘ ROLLBACK Unsupported ⓘ

UTILIZATION

4 of 20

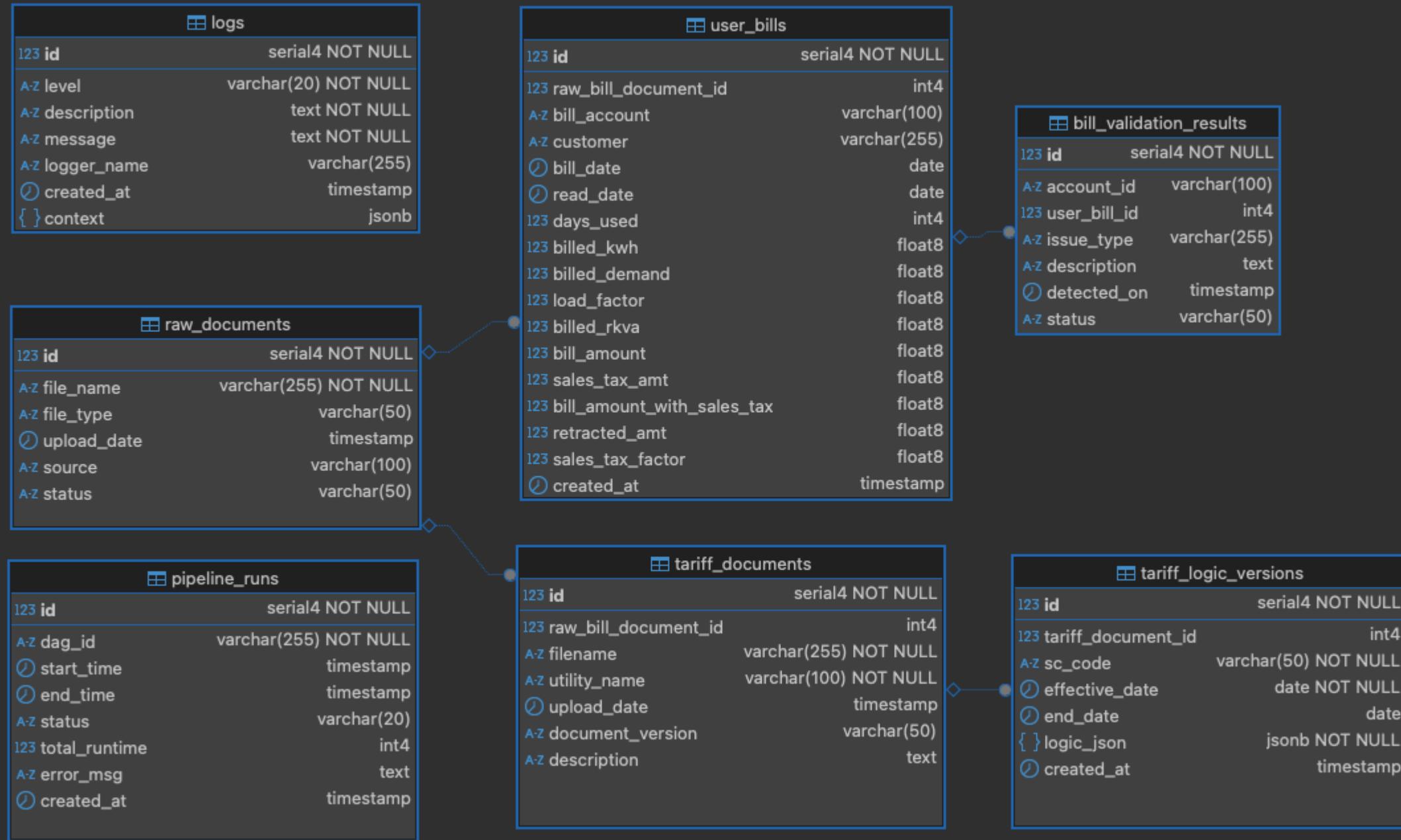
8.8 MB of 1 GB

7 of 4,000

CONNECTIONS IN COMPLIANCE

DATA SIZE IN COMPLIANCE

TABLES IN COMPLIANCE





Login to access the system

Username

Enter your username

Password

Enter your password



Login

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Logout

Navigation

- Upload & Ingest
- Audit Bills
- Manage Tariffs
- Pipeline Status
- Generate Reports
- Upload History

Back to Home



Troy & Banks – Utility Billing AI

Welcome to The Agentic Auditor

Streamline your utility billing analysis with AI-powered insights

Upload & Ingest

Upload utility bills and tariff documents

Securely upload PDF files for processing and analysis

Open →

Audit Bills

Review and validate billing information

Comprehensive audit of extracted billing data with anomaly detection

Open →

Manage Tariffs

Manage tariff structures and rates

View, organize, and manage utility tariff information

Open →

Pipeline Status

Monitor pipeline execution

Real-time tracking of processing jobs and execution logs

Open →

Generate Reports

Create detailed analysis reports

Generate comprehensive audit reports with visualizations

Open →

Upload History

View all uploaded documents

Track and manage your document upload history

Open →



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📍 Navigation

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Back to Home

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File Upload Management



Bill Documents



Tariff Documents



Bill Documents Management



Upload New Bill

Upload your utility bill (PDF only)

Choose a PDF bill file



Drag and drop file here

Limit 200MB per file • PDF

Browse files



Processing Bill Document

temp_bill.pdf

Please wait while we extract and validate the billing data...





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[Upload another bill](#)

temp_bill.pdf 38.2KB

temp_bill.pdf

Anomalies detected

6

Tip: check Audit Bills section to get better insights.

	Bill Account	Customer	Bill Date	Read Date	Days Used	Billed Kwh	Billed Demand	Load Factor	Billed Rkva	Bill Amount	Sales Tax Am
1	1031293107	CITY OF BUFFALO	4/15/2021	4/15/2021	31	396	0	0	0	\$51.80	\$0.00
2	1031293107	CITY OF BUFFALO	5/13/2021	5/13/2021	28	385	0	0	0	\$51.56	\$0.00
3	1031293107	CITY OF BUFFALO	6/14/2021	6/14/2021	32	638	0	0	0	\$70.47	\$0.00
4	1031293107	CITY OF BUFFALO	7/15/2021	7/15/2021	31	691	0	0	0	\$73.40	\$0.00
5	1031293107	CITY OF BUFFALO	8/13/2021	8/13/2021	29	594	0	0	0	\$64.80	\$0.00
6	1031293107	CITY OF BUFFALO	9/14/2021	9/14/2021	32	667	0	0	0	\$70.70	\$0.00
7	1031293107	CITY OF BUFFALO	10/13/2021	10/13/2021	29	737	0	0	0	\$79.19	\$0.00
8	1031293107	CITY OF BUFFALO	11/15/2021	11/13/2021	31	665	0	0	0	\$73.66	\$0.00
9	1031293107	CITY OF BUFFALO	12/14/2021	12/13/2021	30	520	0	0	0	\$61.85	\$0.00
10	1031293107	CITY OF BUFFALO	1/12/2022	1/12/2022	30	408	0	0	0	\$50.91	\$0.00



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Prototype

User Billing Data Viewer

Select Account Number

1031293107

Billing Data

👉 Click on any red highlighted row to see anomaly details.

	Bill ID	Bill Account	Customer	Bill Date	Read Date	Days Used	Billed kWh	Bl...	L...	Bi...	Bi...	S...	Bi...	R...	Sale...
9	1031293107	CITY OF BUFFALO		14/12/2021 00:00	13/12/2021 00:00	30	520	0	0	0	61.85	0	61.85	0	0
10	1031293107	CITY OF BUFFALO		12/01/2022 00:00	12/01/2022 00:00	30	408	0	0	0	50.91	0	50.91	0	0
11	1031293107	CITY OF BUFFALO		10/02/2022 00:00	10/02/2022 00:00	29	546	0	0	0	61.27	0	61.27	0	0
12	1031293107	CITY OF BUFFALO		14/03/2022 00:00	14/03/2022 00:00	32	487	0	0	0	57.74	0	57.74	0	0
13	1031293107	CITY OF BUFFALO		13/04/2022 00:00	13/04/2022 00:00	30	510	0	0	0	60.18	0	60.18	0	0
14	1031293107	CITY OF BUFFALO		13/05/2022 00:00	13/05/2022 00:00	30	386	0	0	0	50.12	0	50.12	0	0
15	1031293107	CITY OF BUFFALO		13/06/2022 00:00	13/06/2022 00:00	31	377	0	0	0	49.16	0	49.16	0	0
16	1031293107	CITY OF BUFFALO		14/07/2022 00:00	14/07/2022 00:00	31	934	0	0	0	94.71	0	94.71	0	0
17	1031293107	CITY OF BUFFALO		12/08/2022 00:00	12/08/2022 00:00	29	1288	0	0	0	116.99	0	116.99	0	0
18	1031293107	CITY OF BUFFALO		13/09/2022 00:00	13/09/2022 00:00	32	1094	0	0	0	103.02	0	103.02	0	0
19	1031293107	CITY OF BUFFALO		13/10/2022 00:00	13/10/2022 00:00	30	817	0	0	0	85.24	0	85.24	0	0
20	1031293107	CITY OF BUFFALO		10/11/2022 00:00	10/11/2022 00:00	28	363	0	0	0	50.19	0	50.19	0	0
21	1031293107	CITY OF BUFFALO		13/12/2022 00:00	13/12/2022 00:00	33	440	0	0	0	54.39	0	54.39	0	0
22	1031293107	CITY OF BUFFALO		12/01/2023 00:00	12/01/2023 00:00	30	378	0	0	0	48.53	0	48.53	0	0
23	1031293107	CITY OF BUFFALO		15/02/2023 00:00	14/02/2023 00:00	33	403	0	0	0	50.79	0	50.79	0	0
24	1031293107	CITY OF BUFFALO		14/03/2023 00:00	14/03/2023 00:00	28	369	0	0	0	51.27	0	51.27	0	0
25	1031293107	CITY OF BUFFALO		14/04/2023 00:00	14/04/2023 00:00	31	404	0	0	0	53.71	0	53.71	0	0

All Anomalies (Overview)

Deploy :



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#	customer	bill_date	read_date	days_used	billed_kwh	bill_created_at	issue_type	description	billed_demand	load_factor	billed_rkva	bill_amount	sale
10	CITY OF BUFFALO	2022-01-01	2022-01-01	30	520	0	0	0	51.65	0	51.65	0	
11	CITY OF BUFFALO	2022-02-01	2022-02-01	29	546	0	0	0	61.27	0	61.27	0	
12	CITY OF BUFFALO	2022-03-01	2022-03-01	32	487	0	0	0	57.74	0	57.74	0	
13	CITY OF BUFFALO	2022-04-01	2022-04-01	30	510	0	0	0	60.18	0	60.18	0	
14	CITY OF BUFFALO	2022-05-01	2022-05-01	30	386	0	0	0	50.12	0	50.12	0	
15	CITY OF BUFFALO	2022-06-01	2022-06-01	31	377	0	0	0	49.16	0	49.16	0	
16	CITY OF BUFFALO	2022-07-01	2022-07-01	31	934	0	0	0	94.71	0	94.71	0	
17	CITY OF BUFFALO	2022-08-01	2022-08-01	29	1288	0	0	0	116.99	0	116.99	0	
18	CITY OF BUFFALO	2022-09-01	2022-09-01	32	1094	0	0	0	103.02	0	103.02	0	
19	CITY OF BUFFALO	2022-10-01	2022-10-01	30	817	0	0	0	85.24	0	85.24	0	
20	CITY OF BUFFALO	2022-11-01	2022-11-01	28	363	0	0	0	50.19	0	50.19	0	
21	CITY OF BUFFALO	2022-12-01	2022-12-01	33	440	0	0	0	54.39	0	54.39	0	
22	CITY OF BUFFALO	2023-01-01	2023-01-01	30	378	0	0	0	48.53	0	48.53	0	
23	CITY OF BUFFALO	2023-02-01	2023-02-01	33	403	0	0	0	50.79	0	50.79	0	
24	CITY OF BUFFALO	2023-03-01	2023-03-01	28	369	0	0	0	51.27	0	51.27	0	
25	CITY OF BUFFALO	2023-04-01	2023-04-01	31	404	0	0	0	53.71	0	53.71	0	

All Anomalies (Overview)

#	customer	bill_date	read_date	days_used	billed_kwh	bill_created_at	issue_type	description	billed_demand	load_factor	billed_rkva	bill_amount	sale
0	CITY OF BUFFALO	2022-07-14	2022-07-14	31	934	2025-12-07 20:42:45	R1_USAGE_SPIKE	kWh usage spike ≥ 1.5x median of previous 12 months	0	0	0	94.71	
1	CITY OF BUFFALO	2022-07-14	2022-07-14	31	934	2025-12-07 20:42:45	R1_CHARGE_SPIKE	Total amount spike ≥ 1.5x median of previous 12 months	0	0	0	94.71	
2	CITY OF BUFFALO	2022-08-12	2022-08-12	29	1288	2025-12-07 20:42:45	R1_USAGE_SPIKE	kWh usage spike ≥ 1.5x median of previous 12 months	0	0	0	116.99	
3	CITY OF BUFFALO	2022-08-12	2022-08-12	29	1288	2025-12-07 20:42:45	R1_CHARGE_SPIKE	Total amount spike ≥ 1.5x median of previous 12 months	0	0	0	116.99	
4	CITY OF BUFFALO	2022-11-10	2022-11-10	28	363	2025-12-07 20:42:47	R1_USAGE_DROP	kWh usage drop ≤ 0.5x median of previous 12 months	0	0	0	50.19	
5	CITY OF BUFFALO	2022-11-10	2022-11-10	28	363	2025-12-07 20:42:47	R1_CHARGE_DROP	Total amount drop ≤ 0.5x median of previous 12 months	0	0	0	50.19	



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⚠ Anomaly Details

Bill Summary

Customer Name

Account Number

1031293107

CITY OF BUFFALO

Record Details

BILL DATE	READ DATE	DAYS USED	BILLED KWH	BILLED DEMAND	LOAD FACTOR
2022-07-14	2022-07-14	31	934.0	0.0	0.0

BILLED RKVA	BILL AMOUNT	SALES TAX AMOUNT	BILL AMOUNT (WITH TAX)	RETRACTED AMOUNT	SALES TAX FACTOR
0.0	94.71	0.0	94.71	0.0	-

UPLOADED AT
2025-12-07

⚠ Detected Issues

R1_USAGE_SPIKE

kWh usage spike $\geq 1.5 \times$ median of previous 12 months

Status: new

R1_CHARGE_SPIKE

Total amount spike $\geq 1.5 \times$ median of previous 12 months

Status: new

Bi...	S...	Bi...	R...	Sale...
61.85	0	61.85	0	
50.91	0	50.91	0	
61.27	0	61.27	0	
57.74	0	57.74	0	
60.18	0	60.18	0	
50.12	0	50.12	0	
49.16	0	49.16	0	
94.71	0	94.71	0	
116.99	0	116.99	0	
103.02	0	103.02	0	
85.24	0	85.24	0	
50.19	0	50.19	0	
54.39	0	54.39	0	
48.53	0	48.53	0	
50.79	0	50.79	0	
51.27	0	51.27	0	
53.71	0	53.71	0	



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-  Upload & Ingest
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File Upload Management

 Bill Documents

 Tariff Documents

Upload Tariff Documents

Upload the latest tariff document for your utility provider (PDF only).

Choose tariff PDF files



Drag and drop files here

Limit 200MB per file • PDF

Browse files

 Stop Deploy :
A small user icon followed by the words "Stop", "Deploy", and a three-dot menu icon.

⚡ Processing Tariff Document

3466417.pdf

Extracting, grouping and analyzing tariff...





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Upload the latest tariff document for your utility provider (PDF only).

Choose tariff PDF files



Drag and drop files here
Limit 200MB per file • PDF

Browse files



Processed Tariff Files

✓ NationalGrid_Tariff-NewYork.pdf



```
{  
    "Grouped Tariffs" : "data/processed/grouped_tariffs.json"  
    "Final Logic" : "data/processed/final_logic_output.json"  
}
```

Upload More Tariff Files



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Upload the latest tariff document for your utility provider (PDF only).

Choose tariff PDF files



Drag and drop files here

Limit 200MB per file • PDF

Browse files



3466417.pdf 221.0KB

X

Processed Tariff Files

✓ 3466417.pdf

```
▼ { 
    "Grouped Tariffs" : "data/processed/grouped_tariffs.json"
    "Final Logic" : "data/processed/final_logic_output.json"
}
```

Upload More Tariff Files

Amazon S3

Buckets

General purpose buckets

Directory buckets

Table buckets

Vector buckets [New](#)

Access management and security

Access Points

Access Points for FSx

Access Grants

IAM Access Analyzer

Storage management and insights

Storage Lens

Batch Operations

Account and organization settings

AWS Marketplace for S3

raw/

[Copy](#)

Objects Properties

Objects (2)



[Copy S3 URI](#)



[Copy URL](#)



[Download](#)



[Open](#)



[Delete](#)



[Actions](#)

[Create folder](#)

[Upload](#)

[Find objects by prefix](#)

< 1 >

<input type="checkbox"/> Name	Type	Last modified	Size	Storage class
<input type="checkbox"/> tariff/	Folder	-	-	-
<input type="checkbox"/> temp_bill.pdf	pdf	December 7, 2025, 15:42:36 (UTC-05:00)	56.8 KB	Standard

Amazon S3 > Buckets > utility-billing-storage > data/ > processed/

Amazon S3

Buckets

- General purpose buckets
- Directory buckets
- Table buckets
- Vector buckets [New](#)

Access management and security

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processed/

Objects **Properties**

Objects (3)

[Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	final_logic_output.json	json	December 7, 2025, 16:22:54 (UTC-05:00)	21.8 KB	Standard
<input type="checkbox"/>	grouped_tariffs.json	json	December 7, 2025, 16:20:49 (UTC-05:00)	316.2 KB	Standard
<input type="checkbox"/>	raw_extracted_tarif.json	json	December 7, 2025, 16:20:46 (UTC-05:00)	1.4 MB	Standard

tariff_logic_versions							Enter a SQL expression to filter results (use Ctrl+Space)	
	123	tariff_document_id	A-Z	sc_code	effective_date	end_date	{ } logic_json	created_at
1		1		SC12	2018-04-01	[NULL]	{"notes": "This service classification provides discount for specific customers."}	2025-12-07 21:20:59.147
2		1		SC2-ND	2025-09-01	[NULL]	{"sc_code": "SC2-ND", "description": "Small General Service Classification ND"}	2025-12-07 21:21:09.347
3		1		SC2-D	2025-09-01	[NULL]	{"sc_code": "SC2-D", "description": "Small General Service Classification D"}	2025-12-07 21:21:09.947
4		1		SC7	2025-09-01	[NULL]	{"notes": ["Rates apply to Standby Service Customers"]}	2025-12-07 21:21:26.247
5		1		SC3	2012-01-01	[NULL]	{"sc_code": "SC3", "description": "Large General Service Classification 3"}	2025-12-07 21:21:35.847
6		1		SC3A	2009-04-27	[NULL]	{"sc_code": "SC3A", "description": "Large General Service Classification 3A"}	2025-12-07 21:21:43.747
7		1		SC11	2013-04-01	[NULL]	{"note": "This service classification is canceled and replaced by SC11."}	2025-12-07 21:21:47.347
8		1		SC1	2025-09-01	[NULL]	{"sc_code": "SC1", "description": "Residential and Farming Service Classification 1"}	2025-12-07 21:21:54.747
9		1		SC1-TOU	2025-09-01	[NULL]	{"sc_code": "SC1-TOU", "description": "Residential and Farming Service Classification 1-TOU"}	2025-12-07 21:21:55.247
10		1		SC1B	2009-04-27	[NULL]	{"note": "Service Classification SC1B is canceled. No active users."}	2025-12-07 21:21:57.947
11		1		SC1C	2009-04-27	[NULL]	{"notes": ["Energy Supply Service (ESS) charges are applied to SC1C users."]}	2025-12-07 21:22:04.447
12		1		SC1H	2009-04-27	[NULL]	{"note": "Service Classification SC1H is canceled. No active users."}	2025-12-07 21:22:08.047
13		1		SC3B	2009-04-27	[NULL]	{"note": "Service Classification SC3B is canceled. No active users."}	2025-12-07 21:22:12.047
14		1		SC3C	2009-04-27	[NULL]	{"note": "Service Classification SC3C is canceled. No active users."}	2025-12-07 21:22:14.647
15		1		SC4	2021-02-01	[NULL]	{"notes": ["Rates, terms, and conditions of the application have changed."]}	2025-12-07 21:22:24.047
16		1		SC5	2009-04-27	[NULL]	{"note": "Service Classification No. 5 is canceled. No active users."}	2025-12-07 21:22:26.847
17		1		SC6	2025-09-01	[NULL]	{"sc_code": "SC6", "description": "Purchase of Electricity Service Classification 6"}	2025-12-07 21:22:43.447
18		1		SC8	2009-04-27	[NULL]	{"note": "This service classification is canceled. No active users."}	2025-12-07 21:22:46.547
19		1		SC9	2009-04-27	[NULL]	{"note": "This service classification is canceled. No active users."}	2025-12-07 21:22:49.247
20		1		SC10	2009-04-27	[NULL]	{"note": "Service Classification SC10 is canceled. No active users."}	2025-12-07 21:22:51.747
21		2		SC1	2024-07-01	[NULL]	{"notes": "Company Supplied Electricity Supply Service Classification 1"}	2025-12-07 21:34:20.647



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Navigation

- Upload & Ingest
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Prototype

Utility Tariff Logic Viewer

Service Classification (SC):

Effective Date for SC1:

SC1

2025-09-01

SC1 – Version 2025-09-01

Residential and Farm Service - Standard Tariff

Calculation Logic

\$ Customer Charge

Charge Type

Logic / Value

Fixed Fee

\$19.00

⚡ Energy Charge

Charge Type

Logic / Value

Applied To

Per Kwh

\$0.08889/kWh

user.billed_kwh

[View Raw JSON Logic](#)

< Manage



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Billing AI

📍 Navigation

- Upload & Ingest
- Audit Bills
- Manage Tariffs
- Pipeline Status
- Generate Reports
- Upload History

Back to Home

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Prototype

Utility Tariff Logic Viewer

Service Classification (SC):

SC1

Effective Date for SC1:

2025-09-01

2025-09-01

2024-07-01

SC1 — Version 2025-09-01

Residential and Farm Service - Standard Tariff

Calculation Logic

\$ Customer Charge

Charge Type

Logic / Value

Fixed Fee

\$19.00

⚡ Energy Charge

Charge Type

Logic / Value

Applied To

Per Kwh

\$0.08889/kWh

user.billed_kwh

> View Raw JSON Logic

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- Upload & Ingest
- Audit Bills
- Manage Tariffs
- Execute Pipeline
- Pipeline Status
- Generate Reports
- Upload History

View Raw JSON Logic

```
{ "sc_code" : "SC1",  
  "description" : "Residential and Farm Service - Standard Tariff",  
  "logic_steps" : [  
    { "value" : 19, "period" : "monthly", "step_name" : "Customer Charge", "charge_type" : "fixed_fee" },  
    { "unit" : "user.billed_kwh", "value" : 0.08889, "step_name" : "Energy Charge", "charge_type" : "per_kwh" } ] }
```



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 Logout

-  Upload & Ingest
-  Audit Bills
-  Manage Tariffs
-  Execute Pipeline
-  Pipeline Status
-  Generate Reports
-  Upload History



Audit Report Viewer

Select Account Number

1031293107



 Run Audit for Selected Account

Detected bills across multiple years. Using year-specific tariff definitions: tariff_definitions_2021.json, tariff_definitions_2022.json, tariff_definitions_2023.json

 Running audit for account 1031293107...





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Navigation

- Upload & Ingest
- Audit Bills
- Manage Tariffs
- Pipeline Status
- Generate Reports
- Upload History

Back to Home

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Audit Report Viewer

Select Account Number

1031293107

?

▼

Service Classification (SC):

SC4

?

▼

SC2-ND

SC3

SC1B

SC9

SC8

SC3B

SC6

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Troy & Banks – Utility Billing AI

Navigation

- Upload & Ingest
- Audit Bills
- Manage Tariffs
- Pipeline Status
- Generate Reports
- Upload History

 [Back to Home](#)

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Audit Report Viewer

Select Account Number

1031293107

Service Classification (SC):

SC1

[Run Audit for Selected Account](#)

Using tariff logic from database for SC SC1, filtered by this account's bill read dates.

Audit Text Report

BILL AUDIT REPORT

Account ID: 1031293107

Generated: 2025-12-09 15:10:11 UTC

Total Bills Audited: 25

SUMMARY:

Total Variance: \$269.31

High Variance Bills (>5%): 25

Calculation Errors: 0

Audit Results Table

	date	sc_code	actual	expected	variance	status	user_bill_id	bill_account
0	2021-04-15 00:00:00	SC1	51.8	41.33	10.47	SUCCESS	26	1031293107
1	2021-05-13 00:00:00	SC1	51.56	40.65	10.91	SUCCESS	27	1031293107

[Manage ap](#)



Audit Results Table

	date	sc_code	actual	expected	variance	status	user_bill_id	bill_account
0	2021-04-15 00:00:00	SC1	51.8	41.33	10.47	SUCCESS	26	1031293107
1	2021-05-13 00:00:00	SC1	51.56	40.65	10.91	SUCCESS	27	1031293107
2	2021-06-14 00:00:00	SC1	70.47	56.19	14.28	SUCCESS	28	1031293107
3	2021-07-15 00:00:00	SC1	73.4	59.45	13.95	SUCCESS	29	1031293107
4	2021-08-13 00:00:00	SC1	64.8	53.49	11.31	SUCCESS	30	1031293107
5	2021-09-14 00:00:00	SC1	70.7	57.97	12.73	SUCCESS	31	1031293107
6	2021-10-13 00:00:00	SC1	79.19	62.27	16.92	SUCCESS	32	1031293107
7	2021-11-15 00:00:00	SC1	73.66	57.85	15.81	SUCCESS	33	1031293107
8	2021-12-14 00:00:00	SC1	61.85	48.94	12.91	SUCCESS	34	1031293107
9	2022-01-12 00:00:00	SC1	50.91	42.06	8.85	SUCCESS	35	1031293107

 Download Audit Report (Excel)

Audit Results Table

↓ ⌂

	date	:	sc_code	actual	expected	variance	status	user_bill_id	bill_account
0	2021-04-15 00:00:00		SC1C	51.8	45.07	6.73	SUCCESS	26	1031293107
1	2021-05-13 00:00:00		SC1C	51.56	44.67	6.89	SUCCESS	27	1031293107
2	2021-06-14 00:00:00		SC1C	70.47	53.9	16.57	SUCCESS	28	1031293107
3	2021-07-15 00:00:00		SC1C	73.4	55.83	17.57	SUCCESS	29	1031293107
4	2021-08-13 00:00:00		SC1C	64.8	52.3	12.5	SUCCESS	30	1031293107
5	2021-09-14 00:00:00		SC1C	70.7	54.96	15.74	SUCCESS	31	1031293107
6	2021-10-13 00:00:00		SC1C	79.19	57.51	21.68	SUCCESS	32	1031293107
7	2021-11-15 00:00:00		SC1C	73.66	54.89	18.77	SUCCESS	33	1031293107
8	2021-12-14 00:00:00		SC1C	61.85	49.59	12.26	SUCCESS	34	1031293107
9	2022-01-12 00:00:00		SC1C	50.91	45.51	5.4	SUCCESS	35	1031293107

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Logged in as: Troy@admin

Logout

- Upload & Ingest
- Audit Bills
- Manage Tariffs
- Execute Pipeline
- Pipeline Status
- Generate Reports
- Upload History

Upload History

Review previously uploaded documents

Database Records

File Name	Source	Upload Date	S3 Exists
temp_bill.pdf	User Upload (Bill)	2025-12-07 20:42	
NationalGrid_Tariff-NewYork.pdf	User Upload (Tariff)	2025-12-07 16:20	
3466417.pdf	User Upload (Tariff)	2025-12-07 16:34	

S3 Files Not In Database

File Name	Upload Date	S3 Exists
3466417.pdf	2025-12-07 21:34	
NationalGrid_Tariff-NewYork.pdf	2025-12-07 21:19	



Troy & Banks – Utility Billing AI

📍 Navigation

- Upload & Ingest
- Audit Bills
- Manage Tariffs
- Pipeline Status
- Generate Reports
- Upload History

Back to Home

Pipeline Status



Coming Soon

Pipeline Status monitoring feature is under development.

Check back soon for real-time pipeline execution tracking and logs.

Manage app

FUTURE PLANNED WORK



THANK YOU
TROY & BANKS