

Energy Efficiency Benchmarking 2023 Portal Updates - Webinar

January 2023

Agenda

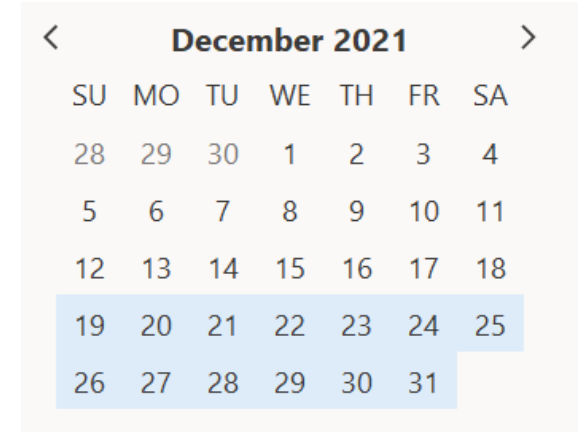
- 2023 Season Fixes and Enhancements Update
 - Calendar dates vs Trip dates
- 2023 Data Quality Improvements and Measures
 - Elimination of Gaps
 - Estimations
 - Valid Zero Consumption
- Communications
- Viewing Aggregate Details Report
- End User Responsibilities Reminder
- Q & A
- Project Center Updates (time allowing)

Season Comparison

	2022 (2021 Reporting)	2023 (2022 Reporting)
Monthly entries	“Trip dates” – Monthly periods are generally aligned with bill periods	Calendar dates – Monthly periods align with the beginning and end of each calendar month; Records no longer cross years
Gaps	Process of holding back all zero consumption records caused gaps	Gaps eliminated with new logic and estimation processes
Overlaps	Overlaps due to year over year trip changes; User and Con Ed duplicates as a result of zero consumption records	Calendar months eliminate trip overlaps, new portal controls and logic replace the need for manual entries
Zero Consumption Records	Zero consumption records held for verification and/or updates; manual review process	Legitimate zero consumption records uploaded; automated review process resulting in faster turnaround and no gaps
Unbilled records	Held until filled, Some automation of consumption updates to fill gaps	Placeholders or estimates appear and are automatically updated when consumption records are returned
Cell Towers and Antennas	Consumption required manual removal	Automated exclusion of consumption
Communication	Periodic batch emails about property fixes	Notification of unshared properties, automated emails when consumption has been estimated and subsequently completed

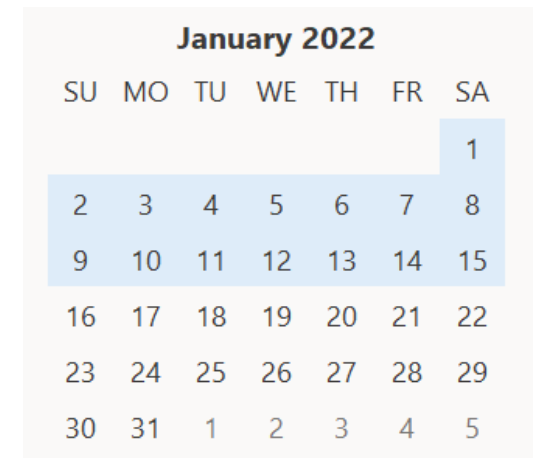
Changes in 2023 – Calendar Entries

- Reasons for the move to Calendar
 - Changes in trip dates year over year caused gaps and overlaps
 - Trip dates often spill across years (to ensure a full calendar year of consumption was uploaded), causing issues when meters are no longer active
 - Consistency across meters and properties going forward
- Monthly records will now be aligned with Calendar dates as opposed to “trip” dates today
- A calendar month may consist of parts of multiple bill records
 - Example – a March 1 to March 31 calendar record could combine a portion data from the February bill (Feb 15 – Mar 15) and a portion from the March bill (Mar 15 – Apr 15)
- Overall consumption may be lower comparing vs. prior year, as partial December and January records will not be included
 - Example Jan 1, 2021 – Dec 31, 2021 vs. Dec 15, 2020 – Jan 12, 2022



A calendar grid for December 2021. The days of the week are listed at the top: SU, MO, TU, WE, TH, FR, SA. The dates are arranged in rows. The dates 19 through 25 are highlighted in a light blue color.

December 2021						
SU	MO	TU	WE	TH	FR	SA
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



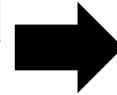
A calendar grid for January 2022. The days of the week are listed at the top: SU, MO, TU, WE, TH, FR, SA. The dates are arranged in rows. The dates 2 through 15 are highlighted in a light blue color.

January 2022						
SU	MO	TU	WE	TH	FR	SA
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Changes in 2023 – Example of Trips vs Months

Before (Trips)

	Start Date	End Date	Usage kWh (thousand Watt-hours)
<input type="checkbox"/>	12/9/2019	1/8/2020	16,570
<input type="checkbox"/>	1/8/2020	2/7/2020	15,781
<input type="checkbox"/>	2/7/2020	3/10/2020	15,381



After (Calendar)

	Start Date	End Date	Usage kWh (thousand Watt-hours)
<input type="checkbox"/>	1/1/2021	1/31/2021	15,123
<input type="checkbox"/>	2/1/2021	2/28/2021	14,567
<input type="checkbox"/>	3/1/2021	3/31/2021	16,543

Changes in 2023 – Trip to Calendar Transition

December transition record is capped to the 31st for both consumption and end date regardless of bill date

<input type="checkbox"/>	8/12/2020	9/11/2020	34,837		<input type="checkbox"/>	<input type="checkbox"/>			1/8/2023 ConEd Tes
<input type="checkbox"/>	9/11/2020	10/13/2020	21,350		<input type="checkbox"/>	<input type="checkbox"/>			1/8/2023 ConEd Tes
<input type="checkbox"/>	10/13/2020	11/10/2020	19,127		<input type="checkbox"/>	<input type="checkbox"/>			1/8/2023 ConEd Tes
<input type="checkbox"/>	11/10/2020	12/14/2020	22,663		<input type="checkbox"/>	<input type="checkbox"/>			1/8/2023 ConEd Tes
<input type="checkbox"/>	12/14/2020	12/31/2020	12,390		<input type="checkbox"/>	<input type="checkbox"/>			1/10/2023 ConEd Tes
<input type="checkbox"/>	1/1/2021	1/31/2021	21,108		<input type="checkbox"/>	<input type="checkbox"/>			1/10/2023 ConEd Tes
<input type="checkbox"/>	2/1/2021	2/28/2021	18,769		<input type="checkbox"/>	<input type="checkbox"/>			1/10/2023 ConEd Tes
<input type="checkbox"/>	3/1/2021	3/31/2021	19,804		<input type="checkbox"/>	<input type="checkbox"/>			1/10/2023 ConEd Tes
<input type="checkbox"/>	4/1/2021	4/30/2021	19,220		<input type="checkbox"/>	<input type="checkbox"/>			1/10/2023 ConEd Tes

Changes in 2023 – Calendar Entries Calculations

- To match trip/billing and/or Project Center data to calendar records:
 - Divide each bill period/record’s consumption by the number of days in the period to get a pro-rated per day consumption
 - Multiply the daily prorated consumption for each bill/trip by the number of days in the calendar month for that bill/trip record and add together

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
Trip From Date	Trip To Date	Bill (Trip) Period Proration period	Calendar Month Start Date (w/in trip)	Calendar Month End Date (w/in trip)	Calendar month proration period	Original trip consumption	Bill (Trip) period per-day proration	Calendar month consumption
		= (B) - (A)			= (E) - (D)		= (G) / (C)	= (H) * (F)
6/15/2020	7/15/2020	30	7/1/2020	7/15/2020	14	18560	618.667	8661.333
7/15/2020	8/13/2020	29	7/15/2020	7/31/2020	17**	24426	842.276	14318.690
Total July:			7/1/2020	7/31/2020	31			22980.023

** One additional day is added – i.e. ((E) – (D) +1) since unlike trip data, we don’t repeat the calendar “to date” as the next month’s “start date”

Changes in 2023 - Gaps

- There are no data gaps in Portfolio Manager thanks to new logic built into the portal process to recognize meters with anticipated consumption updates (i.e. late bills)
- Estimates will be indicated as such in Portfolio Manager
- When needed, estimated values will be calculated using the greatest result of the following logic:
 - The available consumption returned for the meter, or:
 - Previous year data for the same period (e.g. 2020 data for 2021 estimate, 2021 for 2022 estimate)
 - If prior year value does not exist, then use daily average from the most recent available 3 months
 - If neither is available, fill with zeros

Changes in 2023 – Example Showing Estimated Records

	Start Date	End Date	Usage kWh (thousand Watt-hours)	Total Cost (\$)	Estimation	Green Power	Demand (kW)	Demand Cost (\$)	Last Updated
<input type="checkbox"/>	8/1/2021	8/31/2021	40,456		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	9/1/2021	9/30/2021	43,350		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	10/1/2021	10/31/2021	36,827		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	11/1/2021	11/30/2021	33,898		<input checked="" type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	12/1/2021	12/31/2021	36,116		<input checked="" type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated

- [✖ Delete Selected Entries](#)
- [+ Add Another Entry](#)
- [📄 Learn how to copy/paste](#)
- [✖ Delete ****ALL**** Meter data for this meter](#)

 [Download](#) to Green Button XML
  [Download](#) to Excel

Changes in 2023 – Overlaps and meter duplication

- New process to accept meter share notifications when existing properties are re-shared, reducing the creation of “duplicate” meters
- Calendar records prevent year-over-year overlaps and better handle year-over-year service class changes
- Better capabilities to push updates to consumption records instead of inserting new records

Changes in 2023 – Zero Consumption

- Zero consumption records will still exist due to account activity and the aggregation process, but you will have better visibility into which are considered complete
- Note that zero consumption does not always indicate an incorrect value
 - Changes in service class, closed accounts, billed zero consumption all could be legitimate reasons for a zero consumption record
 - Zero consumption records that are not marked as estimated values should be considered as complete

Changes in 2023 – Example of Valid Zero Consumption

Meter Selection:

▶ **Basic Meter Information** (**click on the arrow to the left to expand this section)

▼ **Monthly Entries**

Display Year(s):

	Start Date	End Date	Usage kWh (thousand Watt-hours)	Total Cost (\$)	Estimation	Green Power	Demand (kW)	Demand Cost (\$)	Last Updated
<input type="checkbox"/>	12/3/2019	12/31/2019	0		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	1/1/2020	1/31/2020	0		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	2/1/2020	2/29/2020	0		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	3/1/2020	3/31/2020	0		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	4/1/2020	4/30/2020	0		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	5/1/2020	5/31/2020	0		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated
<input type="checkbox"/>	6/1/2020	6/30/2020	0		<input type="checkbox"/>	<input type="checkbox"/>			1/16/2023 consolidated

Changes in 2023 – Communications

- When estimated consumption has been uploaded, we will notify you (via the requestor/LOA email address, Sample on next slide)
- After previously estimated consumption has been updated/confirmed we will email you of completion (Sample on next slide)
- If you have properties that you need to share with us, you will be emailed a list of them weekly
 - This process is already in production
 - Best practice is to keep the property shared with us as long as you are responsible for it/until it's no longer active

Changes in 2023 – Email Communication Samples

Estimated Consumption Notification

From: citybenchmarking@coned.com <citybenchmarking@coned.com>
Sent: Wednesday, January 18, 2023 10:52 PM
To: Rajendran, Ramya <rajendranr@coned.com>
Subject: Con Ed Consumption records uploaded with estimates

Dear Customer,

Based on current billing information, the below meter(s) have one or more months of data uploaded with estimated consumption, in anticipation of later updated consumption. Additionally all estimated readings have been marked as such in Portfolio Manager. We will update the consumption as additional billing information is posted, and email when the consumption is considered complete. Once complete, the estimated checks will be removed. The update process generally runs twice per month in the peak season.

For calculating estimated values, the below is our methodology:

Estimates are the greater of the actual consumption returned or:

- First check prior year same bill period value and use that – relative to requested year (e.g. looking at 2020 data for 2021 estimate, 2021 for 2022 estimate)
- If prior year value does not exist, then use the daily average of the most recent available 3 months
- If neither is available fill with zeros

If you have any questions about the information provided please do not hesitate to contact us at citybenchmarking@coned.com.

Requestor Email	PropertyID	PropertyName	MeterID	MeterName	From Date	To Date	Uploaded Consumption	Contains Estimate
WEBTEST_2636938339558183367@coned.com	2653121	Chestnut - 2324 Walton Avenue	40643187	WALTON AVEN 2324/G/1	Jan 01,2021	Jan 31,2021	148.000000	Y
WEBTEST_2636938339558183367@coned.com	2653121	Chestnut - 2324 Walton Avenue	40643187	WALTON AVEN 2324/G/1	Jan 01,2021	Jan 31,2021	152.000000	Y
WEBTEST_2636938339558183367@coned.com	2653121	Chestnut - 2324 Walton Avenue	40643187	WALTON AVEN 2324/G/1	Feb 01,2021	Feb 28,2021	103.000000	Y
				WALTON				



Estimated consumption sample

Completed Consumption Notification

From: citybenchmarking@coned.com <citybenchmarking@coned.com>
Sent: Tuesday, January 10, 2023 11:53 AM
To:
Cc: Energy Efficiency - Aggregated Building Consumption <CityBenchmarking@coned.com>
Subject: TEST Con Ed - Previously estimated consumption record(s) now complete

Dear Customer,

The below Property/Meter consumption records were initially uploaded with an estimated consumption value. Through current billing and/or additional research the consumption is now considered complete at this time (we need to settle on the right language for this). We have also reset the estimate flag accordingly in Portfolio Manager. If your property/properties no longer has any estimated consumption, please make sure to submit or resubmit your property/properties to the Department of Buildings for benchmarking prior to the deadline.

If you have any questions about the information provided please do not hesitate to contact us at citybenchmarking@coned.com.

PropertyID	PropertyName	MeterID	MeterName	From Date	To Date	Consumption	Trips	Completed
24369237	Resolution - 347 West 36th Street	149032905	36STRE W 347/E/9	Oct 01,2021	Oct 31,2021	25126.000000	13	Yes
24369237	Resolution - 347 West 36th Street	149032905	36STRE W 347/E/9	Nov 01,2021	Nov 30,2021	23512.000000	13	Yes

For more information on NYC Benchmarking please visit <https://www.coned.com/en/commercial-industrial/aggregated-building-energy-consumption-data>.

For more information on any of our other programs please visit <http://www.coned.com/energyefficiency>

Thank you.

Energy Efficiency
 Con Edison Company of New York, Inc.
 4 Irving Place, 10FL
 New York, NY 10003

www.conEd.com



Completed Estimate sample

Viewing Aggregate Details Report

- Reports are available in the portal
- Aggregation details includes “Trips” field which is essentially the number of bills aggregated for the meter in the period.
 - If you see two values, one calendar month includes two billing periods with differing numbers of trips



The screenshot shows the conEdison portal navigation bar. The 'Reports' menu item is highlighted, and its dropdown menu is open, showing the following options: 'Aggregation Details', 'Requests - Electric And Gas', 'Requests - Steam', and 'Property/Meter Report'. The main content area below the navigation bar displays a 'Welcome to the NYC Benchmarking' message and a notice about a new policy for Energy Star consumption data.

Sample Consumption Report

Trips showing number of bills

EEB_ [REDACTED] MF_TEST / 23351902

Meter Number [REDACTED] - 23/E/1 (148396364)

Year : 2021

Completed Date	Trip From Date	Trip To Date	Consumption	Service Class	Trips
01/04/2023 11:17:34 AM	01/01/2022	01/31/2022	692	1	28
01/04/2023 11:17:34 AM	12/01/2021	12/31/2021	7081	1	28
01/04/2023 11:17:34 AM	11/01/2021	11/30/2021	5874	1	28
01/04/2023 11:17:34 AM	10/01/2021	10/31/2021	5165	1	28
01/04/2023 11:17:34 AM	09/01/2021	09/30/2021	6818	1	28
01/04/2023 11:17:34 AM	08/01/2021	08/31/2021	9946	1	28
01/04/2023 11:17:34 AM	07/01/2021	07/31/2021	9932	1	28
01/04/2023 11:17:34 AM	06/01/2021	06/30/2021	9039	1	27,28
01/04/2023 11:17:34 AM	05/01/2021	05/31/2021	5504	1	27,29
01/04/2023 11:17:34 AM	04/01/2021	04/30/2021	5374	1	29

Two billing periods with differing trip numbers

End User Responsibilities: Considerations and Reminders

- Changes are for 2023, with a planned re-architecture for the 2024 season and LL97 requirements
- Project Center will still return Trip dates, not calendar dates, so please convert to calendar entries if you are uploading your own data to Portfolio Manager
- You are responsible for understanding your building's consumption patterns
 - For example, checking with building manager, understanding when businesses close, building goes under construction, etc.
- You are ultimately responsible for managing your Portfolio Manager meters

Benchmark Q&A

Project Center 2.0

- Project Center is sometimes used as a secondary/backup method for getting last 24 months of consumption
- Project Center is not recommended for Benchmarking (use our Benchmark portal)
- Some changes to the front end coming soon

Con Edison Project Center

Jessica Zazzera

What is Project Center?

- Main interface between Con Edison and customer/ contractors for service work
- Used for gas and electric service requests, upgrades, gut rehabs, etc.
- Access Energy Efficiency Benchmarking Requests
- Best way to reach a Con Edison rep and interact with them about your case

What Can I do in Project Center?

- Request Benchmarking Data

As an EE contractor, you will also be able to:

- Create a case
- Ask a Question about an existing case
- See Next Steps and To Do's on your case
- Make, Confirm or Reschedule an appointment (if case is eligible)
- Upload required documents
- Change case contacts

What I Need to Know

- New Project Center will launch March 2023
- Username and password is same as current Project Center Portal
- Access to full PC functionalities
- Utilize portal for both aggregated consumption requests and Energy Services request

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Log In

Con Edison's account services and customer-specific information are solely intended for use by the customer who is the account holder or the customer's authorized agent. Any unauthorized entry or use of Con Edison's My Account system is prohibited. Violators will be prosecuted.

[Report trouble](#) with your electric service or to check on the status of a previously reported electric service problem.

Profile Set Up

ALL FIELDS ARE REQUIRED, UNLESS OTHERWISE NOTED

Please indicate the role that best describes you and enter your contact information.

Select Your Role

Energy Efficiency Contractor

Company

Primary Phone Number

Extension Number (Optional)

Additional Phone Number (Optional)

House Number

Pre-Dir (Optional)

Street Name

Artery (Optional)

Post-Dir (Optional)

Apartment/Suite (Optional)

City

State

Zip Code

As an Energy Efficiency Contractor, you can also create Energy Services cases or use only benchmarking features. You can also turn this on or off at any time in your profile settings.

Turn on full Project Center features. (Optional)

Submit

Energy Efficiency

Aggregated Consumption Request

START A NEW REQUEST

RequestID	Date Uploaded	File Name	File Comments	Status
-----------	---------------	-----------	---------------	--------

You don't have any request yet.






Start a New Request

ALL FIELDS REQUIRED, UNLESS OTHERWISE NOTED

Please download/open and complete the Aggregated Consumption Request Form. Once you've filled out the required fields, upload the document, then submit.

 Aggregated Consumption Request Form Template

[DOWNLOAD](#)

Accepted file types: XLS

Individual file size limit: 10MB

Aggregated Consumption Request

[SELECT FILE](#)

[CANCEL](#)

[SUBMIT](#)

Energy Efficiency

Aggregated Consumption Request



START A NEW REQUEST

RequestID	Date Uploaded	File Name	File Comments	Status
100009	Nov 10 2022 9:00PM	AANYD-2022-BR	This is a placeholder message as file comments	Unsuccessful

Your document was successfully submitted!

Questions?

- Utilize the “Ask a Question” function to speak directly with your rep
- PC technical issues email dl-eswebtechnicalsupport@coned.com

Appendix

Portal Architecture Performance and Load Testing

- Performed load test with 50 concurrent users (40 external and 10 internal)
 - Historic peak portal traffic has seen fewer than 10 concurrent users
- Consistent transaction response times of less than 10 seconds (1.3 sec on avg)

Application Page	Prior to Enhancements (Avg Response Time)	After Enhancement (Avg Time for Single User)
Electric and Gas by Service Address: Search with Filter	3.4 min*	4.19 sec**
Electric and Gas by Service Address: Submission	Not Tested	3.30 sec**
Electric Gas by LOA: Search with Filter	2.37 min	3.55 sec
Electric Gas by LOA: Submission	Not Tested	< 1 sec**
Steam by LOA: Load	23.6 sec	5.07 sec
Steam by LOA: Submission	Not Tested	4.81 sec**
Steam by Service Address: Load	24.1 sec	5.20 sec
Steam by Service Address: Submission	Not Tested	7.42 sec**
Property Alerts: Load	Not Tested	4.05 sec
Aggregate Details: Load	1.15 sec	1 sec
Aggregate Details: Nested Details	8 sec	< 1 sec
Authorization Page: Load	32.78 sec	7.4 sec
Authorization Page: Nested Details (arrow click)	8 sec	< 1 sec
Authorization Page: Submission	Not Tested	< 1 sec**

* Occasional server error with no data fetched

** Tested in UAT environment