

NHPUC Docket No. DE 23-039

Liberty Utilities (Granite State Electric) Corp., Request for Change in Distribution Rates
Community Power Coalition of NH (CPCNH)

Witness: Clifton Below

December 13, 2023

Attachments

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SUPPLEMENTAL

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty

DE 23-039
Distribution Service Rate Case

Community Power Coalition of New Hampshire Data Requests - Set 1

Date Request Received: 10/5/23
Request No: CPCNH 1-1

Date of Response: 12/6/23
Respondent: Greg Tillman

REQUEST:

Referring to Mr. Tillman's Direct Testimony, on page 25, lines 3-9 and page 26, lines 1-7, please explain:

- a. If Liberty's EDI and consolidated billing system will support Competitive Electric Power Suppliers (CEPS) and Community Power Aggregations (CPA) TOU rate options for energy service using the same 3-part TOU rate periods as defined in Liberty tariffs and as provided for in NH EDI standards, for all TOU rate offerings by Liberty?
- b. If not, why not?
- c. And if not, when?

RESPONSE:

- a. Liberty's EDI and consolidated billing system will continue to support CEPS and CPA as defined in Liberty tariffs and provided for in NH EDI standards for all TOU rate offerings by Liberty.
- b. N/A
- c. N/A

SUPPLEMENTAL RESPONSE:

- a. Liberty does, and will continue to, transmit EDI files for all existing customers enrolled in Liberty's TOU rate offerings and served through an alternative energy provider. Liberty's billing EDI files are formatted in compliance with the agreed upon use of existing 810 EDI standards discussed during the Massachusetts EBT Working group and is in accordance with NH rules, and statutes, and company tariff where TOU demand is sent and not TOU period energy consumption for its 3-period and 2-period TOU rates.
- b. Liberty cannot unilaterally update the EDI formats since changes will impact all CEPS and their EDI providers. To make modifications to accommodate information requests

allowed in the NH 2200 Rules, the NH EBT working group would need to be reconvened to review and update the New Hampshire EDI standards with all impacted parties.

- c. Modifications to the EDI will only be provided upon updates to the EDI standards as discussed in b.

Upon request from an active Aggregation program, Liberty will provide time of use period consumption data outside of the existing EDI data exchange process. This can be provided through alternative electronic formats to support time variant rates offered by alternative energy suppliers.

Index to PUC web page on EDI Information with correlation of hyperlinks to the name of file that downloads for each shown in [RED].

<https://www.puc.nh.gov/Electric/edi.htm>

[Home](#) > [Electric](#) > [EDI Information](#)
EDI Information

The following files represent the existing approved EDI standards and guidelines:
All files in PDF unless otherwise noted.

- Training Guide -
 - [Part 001](#) - 4/22/98 [Downloads as "Part001.pdf"]
 - [Part 002](#) - 4/22/98 [Downloads as "part002-nhguide v3.pdf"]
- [Cover Letter](#) - 4/2/98 [Downloads as "nhpuccov.pdf"]
- [Consensus Plan for the Transmission of Electronic Data in New Hampshire's Retail electric Market](#) - 4/2/98 [Downloads as "edirev53.pdf"]
- [Edi Data Transaction Formats](#) - 4/2/98 [Downloads as "format33.pdf" – "Printed 4/9/2004"]
- Transaction Set Test Plans -
 - [ebtstv11](#) - 4/2/98 [ebtstv11.pdf]
 - [tplanv11](#) - 4/2/98 [tplanv11.pdf]
- [Usage Billing Invoice](#) - 4/2/98 [TS810.pdf]
- [Account Administration](#) - 4/2/98 [TS814.pdf]
- [Payment - Order/Remittance Advice](#) - 4/2/98 [TS820.pdf]
- [Draft Product Transfer Resale Report](#) - 4/2/98 [TS867.pdf]

In accordance with Commission Order No. 22,919 the above standards and guidelines are to be used "pending the outcome of a rulemaking on the implementation of EDI standards." Completion of that process is pending.

Billing Option for the Account: This field will indicate the billing method for the Customer. The Competitive Supplier may offer either 'Consolidated' or 'Passthrough' Billing, and the Customer will receive a separate bill from his Competitive Supplier (Passthrough) or one complete bill (Consolidated). Possible values are:

C = Consolidated (Complete)
P= Passthrough

Completion Status Code: After a set of transactions is processed by the Distribution Company, this field will be used to communicate the status of each detail record. See Appendix B for valid codes.

Consolidated Billing Option: A billing option whereby the distribution and generation charges are combined on one statement rendered by the Distribution Company.

Current Amount: The current amount billed for the Competitive Supplier for an individual service when there are multiple services per account, or for a single account when there is a single service for the account.

Current Customer Charge: The current Customer charges applied on the Competitive Supplier portion of the bill.

Current Demand Charges: The current billed amount for the Competitive Supplier total demand portion of the bill.

Current Off-Peak amount: The current billed amount for usage recorded during the Distribution Company's off-peak hours for the Competitive Supplier portion of the bill.

Current Peak Amount: The current billed amount for usage recorded during the Distribution Company's on-peak hours for the Competitive Supplier portion of the bill.

Current Read Date: The date the meter was read. The format of the date is CCYYMMDD.

Current Sales Tax: The current sales tax amount for the Competitive Supplier portion of the bill.

Current Shoulder Amount: The current billed amount for usage recorded during the Distribution Company's shoulder hours for the Competitive Supplier portion of the bill.

Data Exchange: The process of sending and receiving files over a computer network.

Demand Value Used by Distribution Company for Billing: This field is used for time-of-use accounts. It is the kW or kVa demand that was used by the Distribution Company to calculate the current demand charges. (Since there are 2 or 3 time-of-use periods, each with demand, this field tells the Competitive Supplier which demand was used for billing purposes).

Load Date: The day for which the kWh usage has been calculated by the load estimation system. The format of the field is: CCYYMMDD.

New Distribution Company Account Number: In certain circumstances the Distribution Company must change a Customer's account number. This field will be used to identify the new account number.

New Distribution Company Service Identifier: In certain circumstances the Distribution Company must change a Customer's service (i.e. replacement meter). This field will be used to identify the new service identifier.

New Distribution Company Customer Name: In certain circumstances the Distribution Company must change the Customer's name (i.e. marriage). This field will be used to notify the Competitive Supplier of the first four characters of the Customer's new name.

Net Dollars: This field will contain the total of the Payment/Adjustment amount field for the Competitive Supplier.

Number of Non-Metered Units: Number of billable units pertaining to the value listed in the type of service indicator field.

Off-Peak Demand: The highest demand measured in kilowatts during the Distribution Company's off-peak hours.

Off-Peak kVa Demand: The highest kVa demand measured in kilovolt-amperes during the Distribution Company's off-peak hours.

Off-Peak Kilowatt Hour usage: The total kilowatt hour use during the Distribution Company's off-peak hours.

Passthrough Billing Option: A billing option whereby the Customer receives two bills, one for distribution charges from the Distribution Company, and one for generation charges billed separately by the Competitive Supplier.

Payment/Adjustment Amount: The amount that was posted to the Customer's account for the Competitive Supplier portion of the bill.

Payment/Adjustment Code : This field will contain a code that identifies the record's function.

- 001 = Payment received from the Customer
- 002 = Transfer
- 003 = Bad Check
- 004 = Arrears Interest
- 005 = Sales Tax
- 006 = Adjustment

007 = Supplier Write-Off

Payment/Adjustment Posting Date: The date the transaction amount was posted to the Customer's account for the Competitive Supplier portion of the bill.

Peak or Highest kW demand: For non-time-of-use meters, this will contain the actual highest demand measured in kilowatts. For time-of-use meters, it is the highest demand measured in kilowatts during the Distribution Company's on-peak hours.

Peak kVa Demand: The actual peak demand measured in kilovolt-amperes during the Distribution Company's on-peak hours.

Peak or Total Kilowatt Hour Usage: For non-time-of-use meters, this is the total kilowatt hour usage for the billing period. For time-of-use, it contains the total kilowatt hour use during the Distribution Company's on-peak hours.

Previous Read Date: The date the meter was last read and used for billing. The format of the date is CCYYMMDD.

Primary Metering Indicator: The indicator telling the Competitive Supplier that the Distribution Company has metered Customer's service at primary voltage.

N = No Primary Metering

Y = Primary Metering

SPACE = No Primary Metering

Record Count: The number of detail records contained in this transmission.

Service Identifier: Some systems offer multiple types of services to a particular account. A Competitive Supplier may wish to offer different prices for the different service types. This field will be used in conjunction with the Type of Service Indicator to identify the specific service referenced by the transaction (it typically contains a meter number or an unmetered rate depending on the type of service).

Settlement Function: Single character on settlement record indicating the type of supply service included in the record. The values for the field are:

C = Competitive Supply

D = Transition Service

Shoulder kW Demand: The shoulder demand measured in kilowatts.

Shoulder kVa Demand: The total shoulder demand measured in kilovolt-amperes.

Shoulder Kilowatt Hour Usage: The total shoulder kilowatt hour usage.

810 Usage/Billing Invoice

Functional Group ID=**IN**

Introduction:

This transaction will allow Distribution companies to send usage and billing information for electricity to the suppliers who have enrolled customers.

Notes:

ASSUMPTION: One 810 will be created for all of a Suppliers customers who receive electricity from this Distribution company for a given billing cycle. Each customers account for the specific Supplier defined by the N1 within will create looping at the IT1 segment level.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
Not Used	030	NTE	Note/Special Instruction	O	100		
Not Used	040	CUR	Currency	O	1		
Not Used	050	REF	Reference Identification	O	12		
Not Used	055	YNQ	Yes/No Question	O	10		
Not Used	060	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						1	
Must Use	070	N1	Name - Distribution Company	O	1		
Not Used	080	N2	Additional Name Information	O	2		
Not Used	090	N3	Address Information	O	2		
Not Used	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	125	DMG	Demographic Information	O	1		
LOOP ID - N1						1	
Must Use	070	N1	Name - Supplier	O	1		
Not Used	080	N2	Additional Name Information	O	2		
Not Used	090	N3	Address Information	O	2		
Not Used	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	125	DMG	Demographic Information	O	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	140	DTM	Date/Time Reference - File Creation Date	O	1		
Not Used	150	FOB	F.O.B. Related Instructions	O	1		
Not Used	160	PID	Product/Item Description	O	200		
Not Used	170	MEA	Measurements	O	40		

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Not Used	180	PWK	Paperwork	O	25
Not Used	190	PKG	Marking, Packaging, Loading	O	25
Not Used	200	L7	Tariff Reference	O	1
Not Used	212	BAL	Balance Detail	O	>1
Not Used	213	INC	Installment Information	O	1
Not Used	214	PAM	Period Amount	O	>1
LOOP ID - LM					10
Not Used	220	LM	Code Source Information	O	1
Not Used	230	LQ	Industry Code	M	100
LOOP ID - N9					1
Not Used	240	N9	Reference Identification	O	1
Not Used	250	MSG	Message Text	M	10
LOOP ID - V1					>1
Not Used	260	V1	Vessel Identification	O	1
Not Used	270	R4	Port or Terminal	O	>1
Not Used	280	DTM	Date/Time Reference	O	>1
LOOP ID - FA1					>1
Not Used	290	FA1	Type of Financial Accounting Data	O	1
Not Used	300	FA2	Accounting Data	M	>1

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT 1					200000	
Must Use	010	IT1	Baseline Item Data (Invoice)	O	1	
Not Used	012	CRC	Conditions Indicator	O	1	
Not Used	015	QTY	Quantity	O	5	n1
Not Used	020	CUR	Currency	O	1	
Not Used	030	IT3	Additional Item Data	O	5	
Not Used	040	TXI	Tax Information	O	10	
Not Used	050	CTP	Pricing Information	O	25	
Not Used	055	PAM	Period Amount	O	10	
Must Use	059	MEA	Measurements - Peak/Total kilowatt hour usage	O	1	
	059	MEA	Measurements - Peak kW Demand	O	1	
	059	MEA	Measurements - Peak kva Demand	O	1	
059	MEA	Measurements - Off Peak kilowatt hour usage	O	1		
	059	MEA	Measurements - Off Peak kW Demand	O	1	
	059	MEA	Measurements - Off Peak kva Demand	O	1	
059	MEA	Measurements - Shoulder kilowatt hour usage	O	1		
	059	MEA	Measurements - Shoulder kW Demand	O	1	
	059	MEA	Measurements - Shoulder kva Demand	O	1	
	059	MEA	Measurements - Demand value used for Billing	O	1	
	059	MEA	Measurements - Number of Non-metered units	O	1	
LOOP ID - PID					1000	

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Not Used	060	PID	Product/Item Description	O	1
Not Used	070	MEA	Measurements	O	10
Not Used	080	PWK	Paperwork	O	25
Not Used	090	PKG	Marking, Packaging, Loading	O	25
Not Used	100	PO4	Item Physical Details	O	1
Not Used	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2
Must Use	120	REF	Reference Identification - Supplier account number	O	1
	120	REF	Reference Identification - Supplier Rate Code	O	1
	120	REF	Reference Identification - Type of Service Indicator	O	1
	120	REF	Reference Identification - Service Identifier	O	1
Must Use	120	REF	Reference Identification - Billing Option	O	1
Must Use	120	REF	Reference Identification - Activity Code	O	1
	120	REF	Reference Identification - Supplier Pricing Structure	O	1
	120	REF	Reference Identification - Primary Metering Indicator	O	1
	120	REF	Reference Identification - Billing Cycle	O	1
Not Used	125	YNQ	Yes/No Question	O	10
Not Used	130	PER	Administrative Communications Contact	O	5
Not Used	140	SDQ	Destination Quantity	O	500
Must Use	150	DTM	Date/Time Reference - Current Read Date	O	1
Must Use	150	DTM	Date/Time Reference - Previous Read Date	O	1
	150	DTM	Date/Time Reference - Billing Date	O	1
Not Used	160	CAD	Carrier Detail	O	>1
Not Used	170	L7	Tariff Reference	O	>1
Not Used	175	SR	Requested Service Schedule	O	1
LOOP ID - SAC					25
	180	SAC	Allowance, or Charge Information - Current Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Peak/Total Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Off-Peak Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Shoulder Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Demand Charges	O	1
	180	SAC	Allowance, or Charge Information - Current Customer Charges	O	1
	180	SAC	Allowance, or Charge Information - Arrears Interest	O	1
	180	SAC	Allowance, or Charge Information - Supplier Arrears	O	1
	180	SAC	Allowance, or Charge Information - Total Amount Due Supplier	O	1
	190	TXI	Tax Information - Current Sales Tax Amount	O	1
LOOP ID - SLN					1000
Not Used	200	SLN	Subline Item Detail	O	1
Not Used	205	DTM	Date/Time Reference	O	1
Not Used	210	REF	Reference Identification	O	>1
Not Used	220	PID	Product/Item Description	O	1000



Itron's Advanced Settlement Module Provides High Granularity, Industry-Leading Integration and Complete Energy Market Coverage

October 25, 2023

Advanced Module Provides Visibility into the Entire Energy Market, Addresses Complexities from Distributed Energy Resources

LIBERTY LAKE, Wash.--(BUSINESS WIRE)--Oct. 25, 2023-- Itron, Inc. (NASDAQ: ITRI), which is innovating the way utilities and cities manage energy and water, is unveiling Itron Enterprise Edition (IEE) Settlements, which provides an advanced settlements solution for utilities globally. From five-minute settlements to integrating the newest entrants into the energy market, such as wind, solar, batteries and Virtual Power Plants (VPPs), IEE Settlements sets a new standard for granularity in energy market coverage and reporting. It addresses utilities' needs today and is ready for future regulatory, market and environmental changes. With IEE Settlements, utilities have the ability to enhance data collection and submission to account for the multitude of energy participants within their territory and address the complexities created by distributed energy resources. The module is available globally and already in production at select utilities.

Energy settlements – the process of capturing and reconciling energy generation and consumption, both at the wholesale and retail levels – play a crucial role in the energy market where energy is traded. As this market evolves, it is essential to quantify energy generation and consumption within specific intervals and reconcile disparities between the energy generated and the energy consumed. Various entities, including power plants, hydropower companies, nuclear facilities, commercial wind and solar operations, generate energy while utilities, businesses and municipalities consume it. Itron's IEE Settlements collects measurements from generators, consumers and forecasted load all in a single module to help streamline reporting for utilities.

As part of the IEE suite, the newly launched module seamlessly integrates with a utility's meter data management system to gather and process interval data, ensuring precise and timely data compilation as well as capture and submission to market operators. The integration of energy consumption and generation data from DERs facilitates compliance with regulatory requirements to include all energy players in the Settlement process and aligns with the goals of the Federal Energy Regulatory Commission Order No. 2222, which promotes DER involvement in regional electricity markets in the U.S. through aggregation.

IEE Settlements joins the powerful IEE MDM platform as a leader for granular settlements across three continents, meeting the most advanced deregulated market settlement needs for consumers at scale. Itron's IEE Settlements offers a suite of key features benefiting utilities, including:

1. **Real-Time Data Integration** – The module seamlessly integrates with a wide range of data sources, allowing utilities to access and analyze real-time energy market data.
2. **Automated/Auditable Settlement Calculations:** IEE Settlements automates the entire settlement process, ensuring accuracy, traceability and reducing errors.
3. **Customized Reporting:** Ability to generate custom reports and analytics to help gain a better understanding into the utility's market activities, helping them make informed decisions.
4. **Scalability:** From small enterprises to large organizations, IEE Settlements helps to scale the needs of the utility and accommodate settlements of any size.
5. **Regulatory Compliance:** Utilities can stay compliant with the evolving energy market regulations and standards with IEE Settlements' built-in regulatory features.
6. **Enhanced Security:** The module incorporates robust security measures to protect sensitive information.

"The newly launched IEE Settlements module addresses crucial challenges facing aging infrastructure and the utility settlement market. The innovative design of the module helps to address the complexities of distributed energy resources with a solution for utility companies, renewable energy providers, independent power producers and large-scale energy consumers," said Don Reeves, senior vice president of Outcomes at Itron. "With IEE Settlements, industry leading utilities can prepare for the future of energy with advanced automation and adaptability to help them meet their needs in the dynamic energy market."

To learn more about IEE Settlements, visit the [IEE Customer Resources](#) page.

About Itron

Itron enables utilities and cities to safely, securely and reliably deliver critical infrastructure solutions to communities in more than 100 countries. Our portfolio of smart networks, software, services, meters and sensors helps our customers better manage electricity, gas and water resources for the people they serve. By working with our customers to ensure their success, we help improve the quality of life, ensure the safety and promote the well-being of millions of people around the globe. Itron is dedicated to creating a more resourceful world. Join us: www.itron.com.

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Additional Resources

- LinkedIn: <https://www.linkedin.com/company/itroninc/>

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- Twitter: <https://twitter.com/ItronInc>
- Newsroom: www.itron.com/company/newsroom
- Blog: <https://blogs.itron.com>

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