## Chargebacks



CATALYSTA

## **Today's ground rules**

Lectures are boring - discussions are WAY better!

Ask questions

Help each other - share your experiences and ideas

Participate and provide feedback!

## What is a chargeback bill?

A chargeback bill is **generated in EnergyCAP**. It's not a bill you get from a utility vendor.

Other names for chargebacks include:

- Bill splits
- Cost allocations
- Campus distributions
- Bill calculations
- Tenant allocations

EnergyCAP chargeback bills can be created as **cost-only**, **use-only**, or **cost and use bills** 



## **Common reasons for chargebacks**

Cost allocation of vendor bills to multiple departments

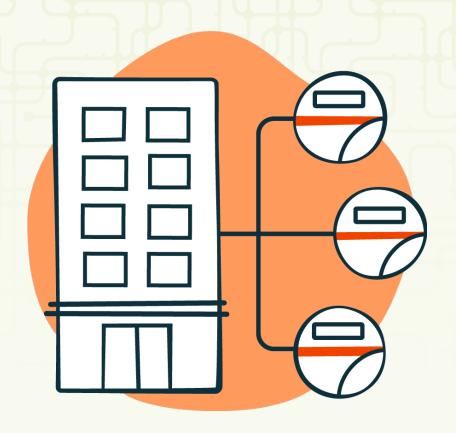
Assign utility costs to specific **projects**, **grants**, and **special activities** 

Create bills for tenants

**Energy plant** calculations and **campus distribution** tracking

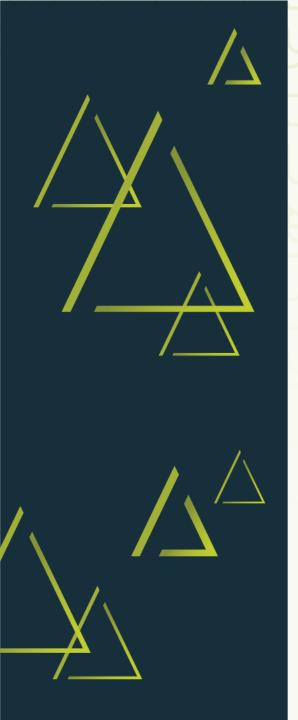
**True-up** financial transactions

Detailed **facility tracking and reporting** (e.g., ENERGY STAR, greenhouse gas reporting)



Why does your organization create chargebacks?

## What is your experience with chargebacks?



## Mastering chargebacks with EnergyCAP

EnergyCAP chargebacks simplify your monthly workflow

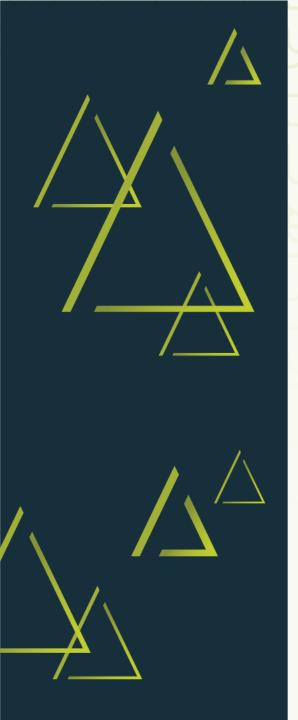
Bill splits and calculations are flexible and easy to configure

**Bill Calculations** 

**Bill Splits** 

Chargeback workflows ensure consistency with step-by-step instructions and built-in documentation tailored to your organization

EnergyCAP includes easy options for chargeback setup and maintenance



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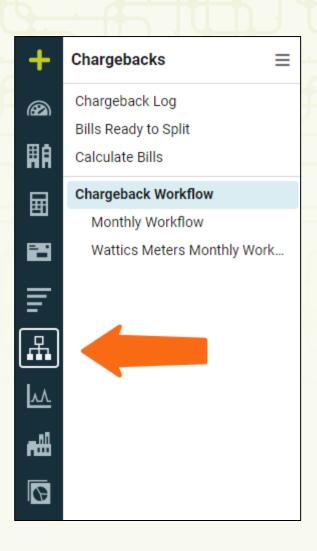
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## **Chargebacks Module**

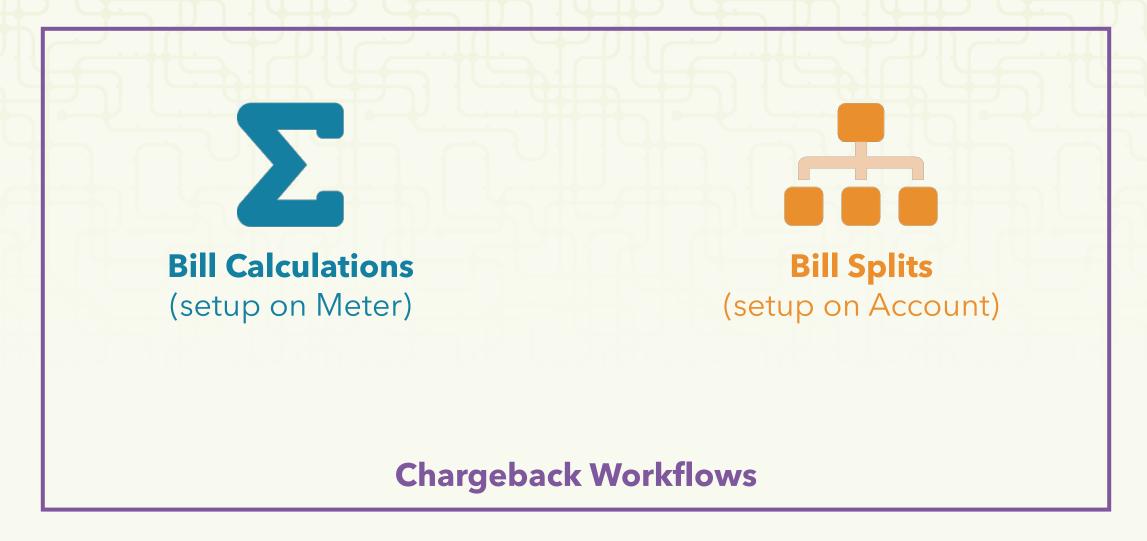


Chargebacks is a licensed feature.

If licensed, the Chargebacks module appears in the module menu on the left-hand side.

If unlicensed, and this functionality is needed, contact your EnergyCAP Sales Account Manager.

## EnergyCAP chargebacks are built on three simple, but powerful, features



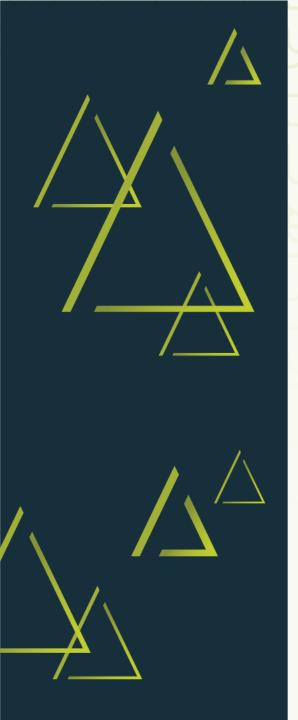
## EnergyCAP chargebacks are built on three simple, but powerful, features

Bill calculations – create a new bill with your own custom calculations submeters, custom rates, fixed costs, combine bills, and more!

Bill splits – divide any existing bill into one or more smaller bills percentage splits, dynamic floor area allocation, loss/remainder assignment

**Chargeback workflows** – organize groups of bill splits and calculations together into **repeatable monthly steps** 

Chargeback calculations can always be rolled-back!



## Mastering chargebacks with EnergyCAP

EnergyCAP chargebacks simplify your monthly workflow

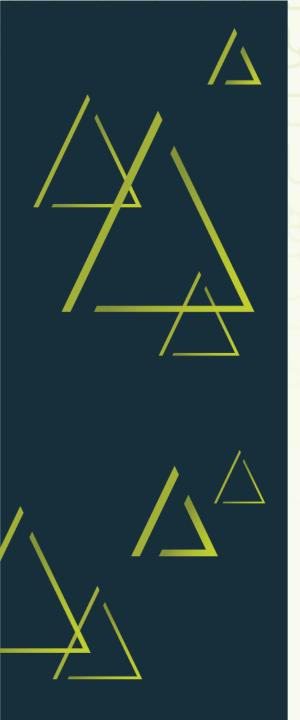
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Meters configured to generate bills based on use, cost, and demand calculations

## Bill calculations allow for independent use/cost calculations

Use Calculation

Cost Calculation





#### **CALCULATING USE**

- Channel readings
- Fixed amount
- Copy the use from another meter
- Summary calculation





#### **CALCULATING USE**

- Channel readings
- Fixed amount
- Copy the use from another meter
- Summary calculation
- Wattics data point







#### **CALCULATING USE**

- Channel readings
- Fixed amount
- Copy the use from another meter
- Summary calculation
- Wattics data point

#### **CALCULATING COST**

- Use x rate schedule
- Use x fixed unit cost
- Use x unit cost from another meter
- Fixed amount
- Copy cost from another meter
- Summary calculation





#### **CALCULATING USE**

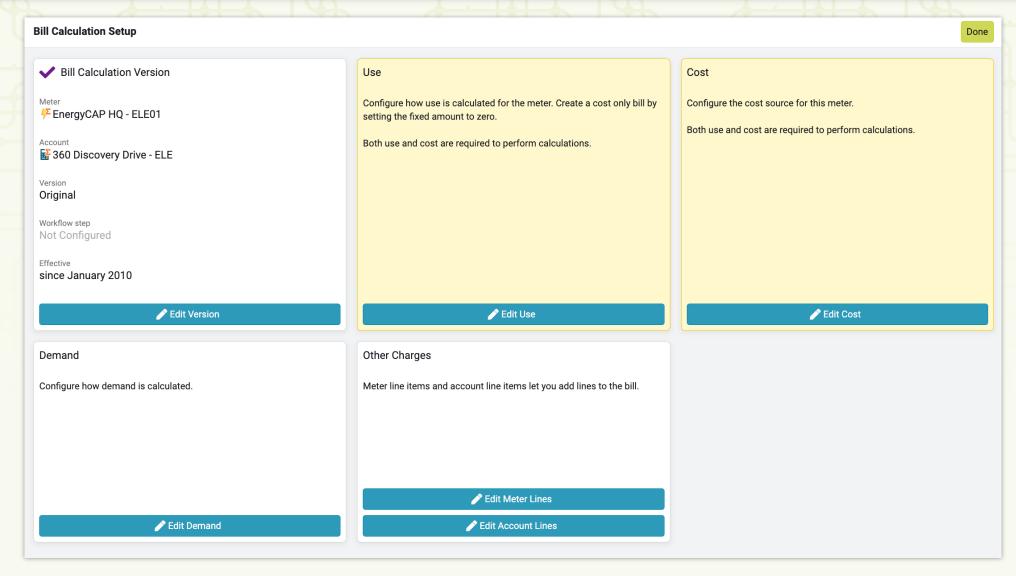
- Channel readings
- Fixed amount
- Copy the use from another meter
- Summary calculation
- Wattics data point



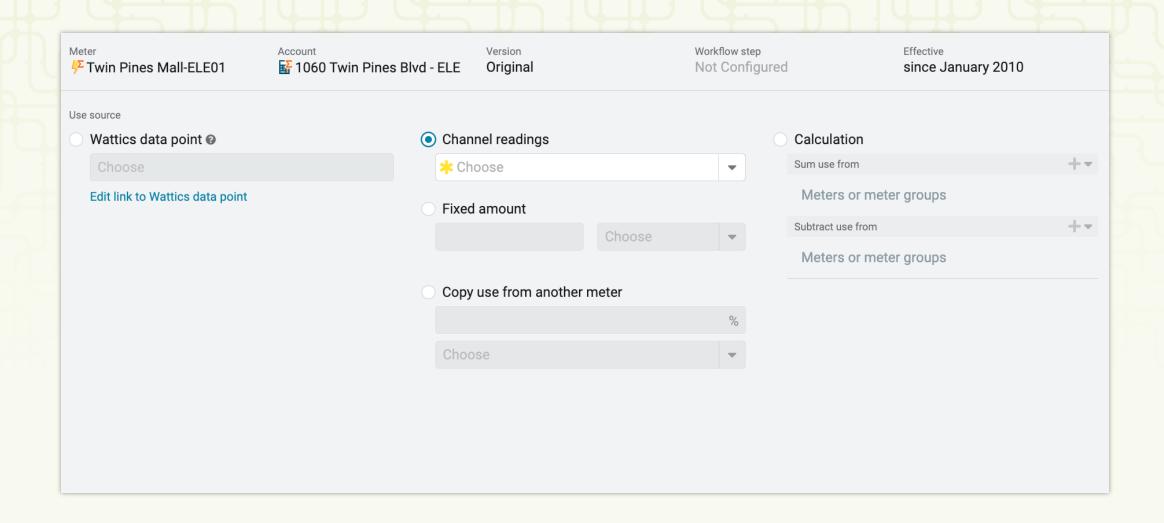
- Use x rate schedule
- Use x fixed unit cost
- Use x unit cost from another meter
- Fixed amount
- Copy cost from another meter
- Summary calculation



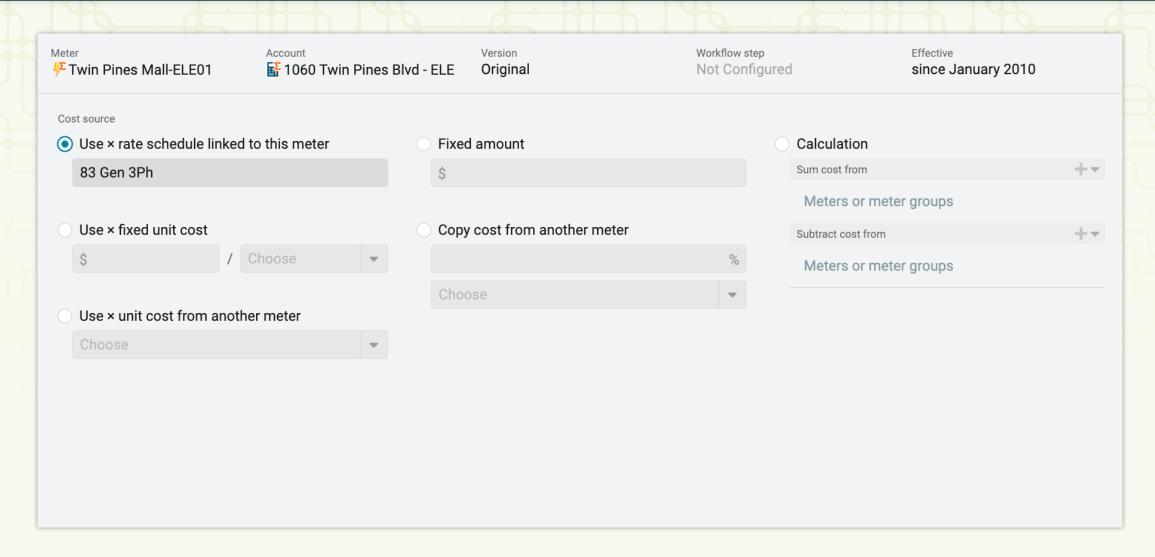
## Bill Calculations // Setup starts at the meter to receive the new bill



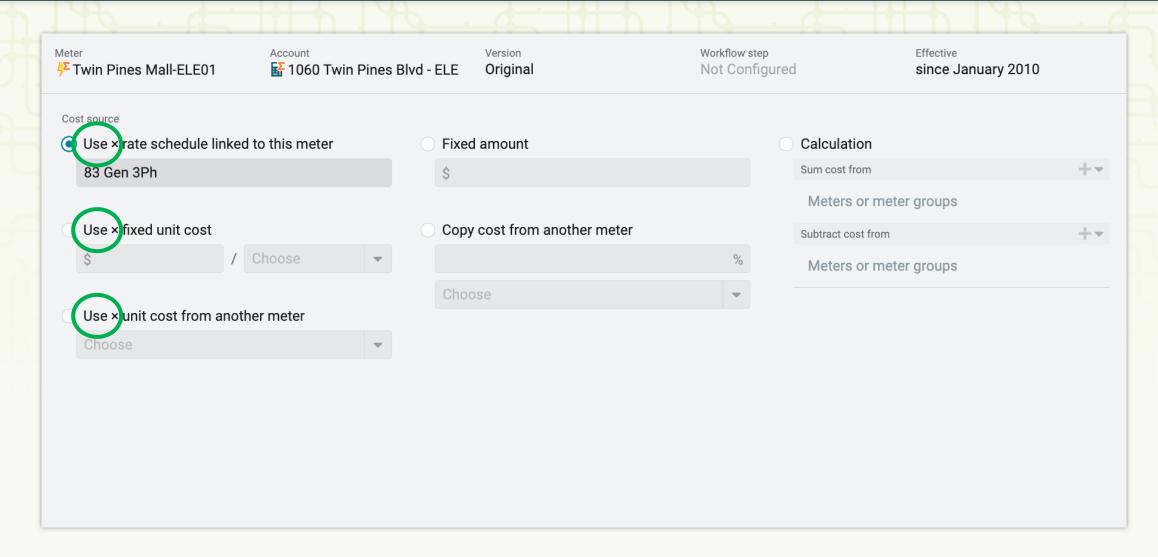
## Bill Calculations // Use Configuration



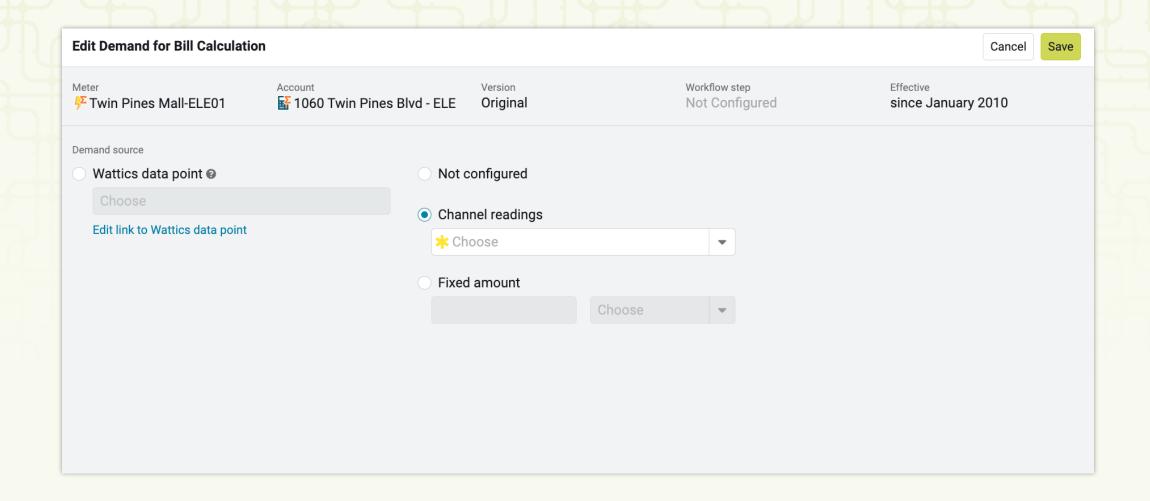
## Bill Calculations // Cost Configuration



## Bill Calculations // Cost Configuration



## Bill Calculations // Demand Configuration





## What types of use and cost calculations do you use today?



Accounts configured to divide existing bills to one or more destination meters

## **Bill Splits - three flexible options**





#### **BILL SPLIT OPTIONS**

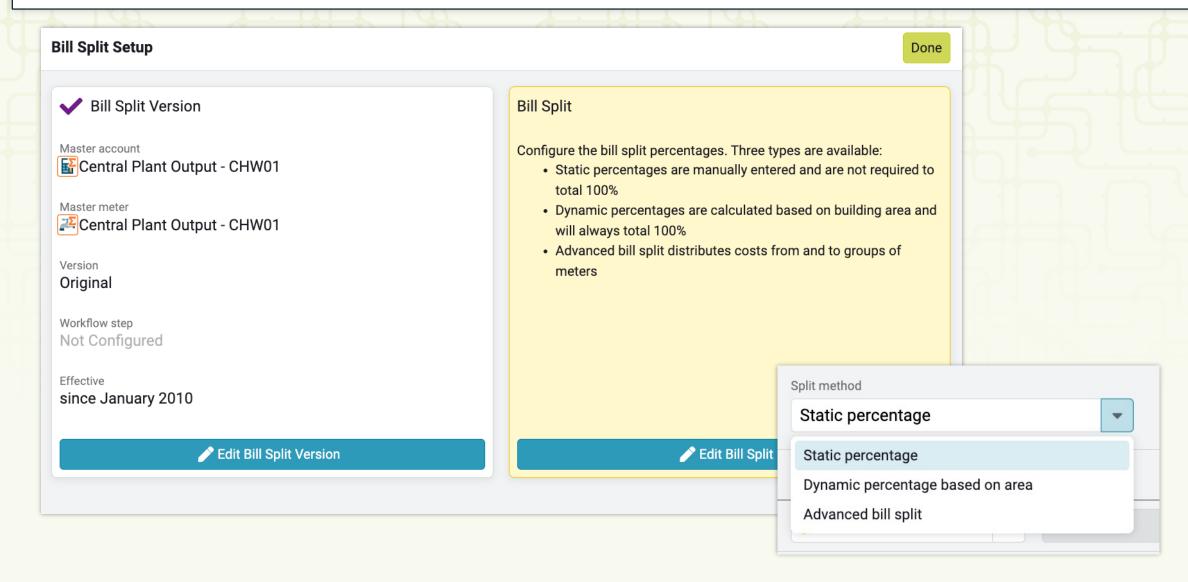
- Static fixed percentages
- Dynamic automatic percentages based on floor area (always 100% split)
- Advanced automatic percentages based on proportional cost/use (always 100% split)



## When would you use each of the three split types?

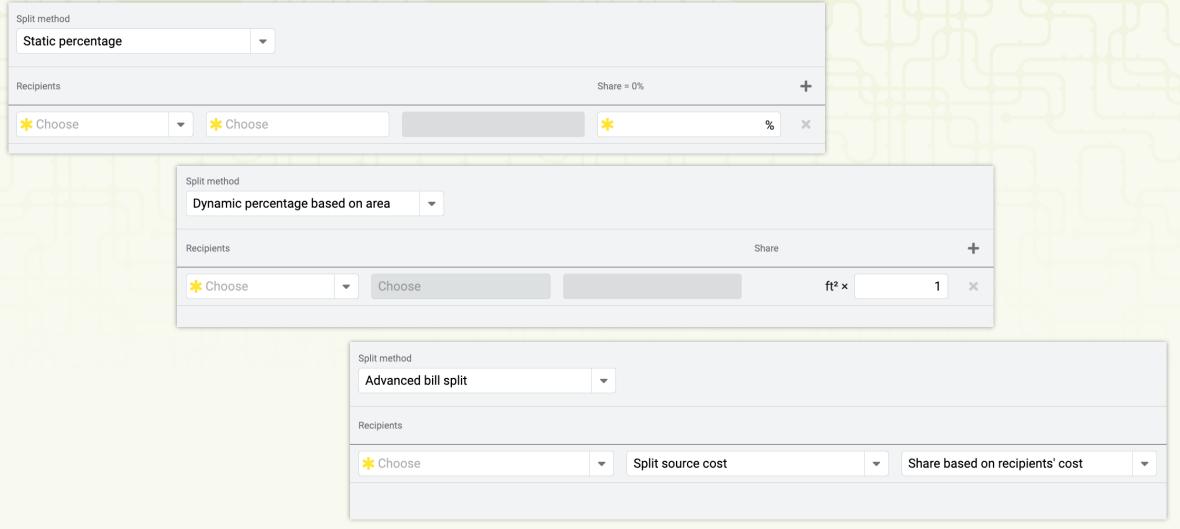


## Bill Splits // Setup begins on the account to be split

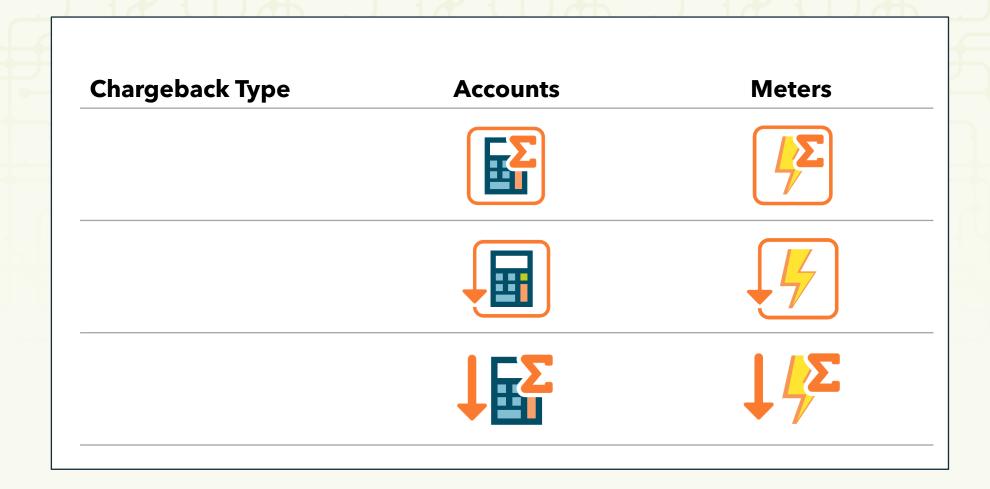


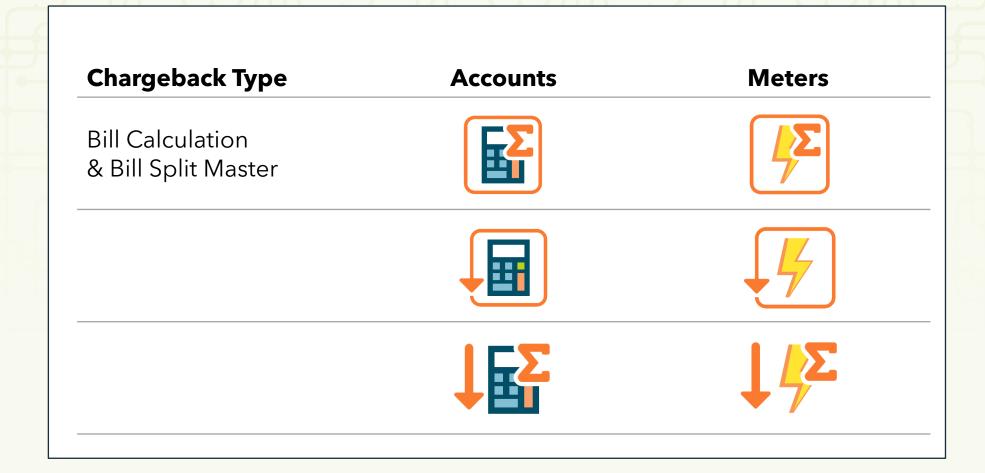


## Bill Splits // Options vary based on split type



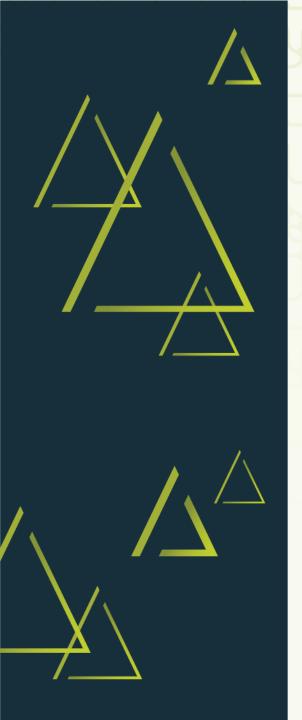
Chargeback Type	Accounts	Meters
Bill Calculation		
Bill Split Source		
Bill Split Destination		





Chargeback Type	Accounts	Meters
Bill Calculation & Bill Split Master		7
Bill Split Master & Receiver		<del></del>
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Chargeback Type	Accounts	Meters
Bill Calculation & Bill Split Master		Σ
Bill Split Master & Receiver		7
Bill Calculation & Bill Split Receiver	ĻΕΣ	<b>1</b> /Σ



## **Mastering chargebacks with EnergyCAP**

EnergyCAP chargebacks simplify your monthly workflow

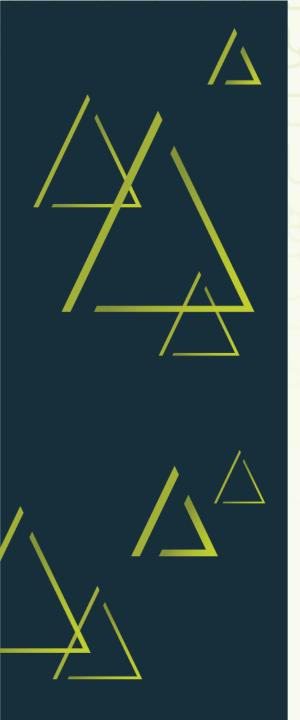
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**Bill Splits** 

Chargeback workflows ensure consistency with step-by-step instructions and built-in documentation tailored to your organization

EnergyCAP includes easy options for chargeback setup and maintenance



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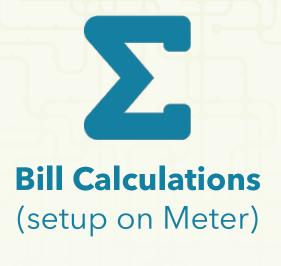
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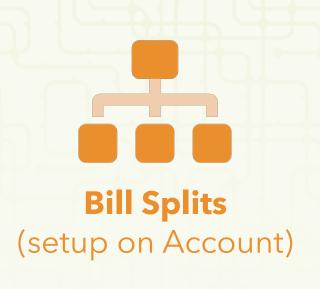
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### **Chargeback Workflows**

Bill calculations and bill splits organized into step-by-step actions for processing

### **Chargeback workflows SIMPLIFY your chargeback process**





**Chargeback Workflows** 

### Features of EnergyCAP chargeback workflows

Provide order, structure, and documentation to your chargeback process

Step-by-step guide to process and verify chargeback bills

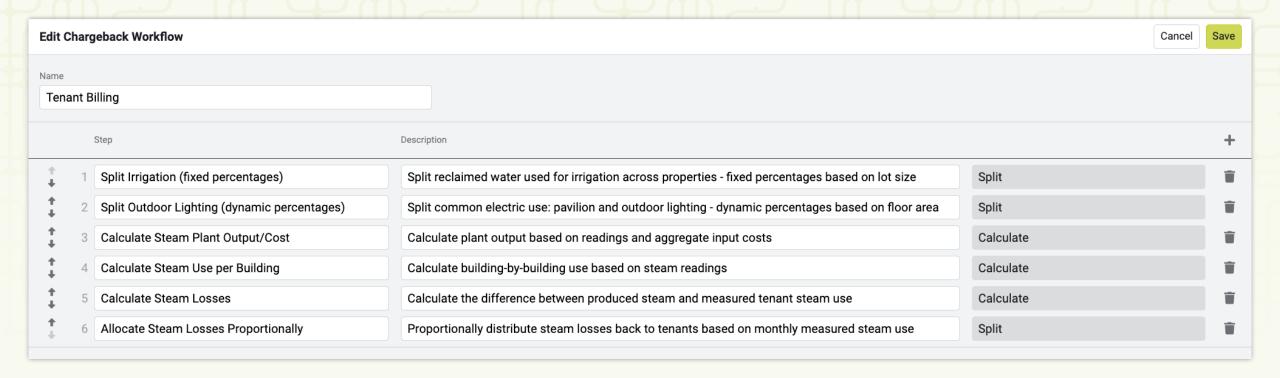
Group similar chargebacks together for easy processing (e.g., vendor bill splits, submeter calculations, energy plant distributions)

Flexible-configure as many workflows and steps as you need

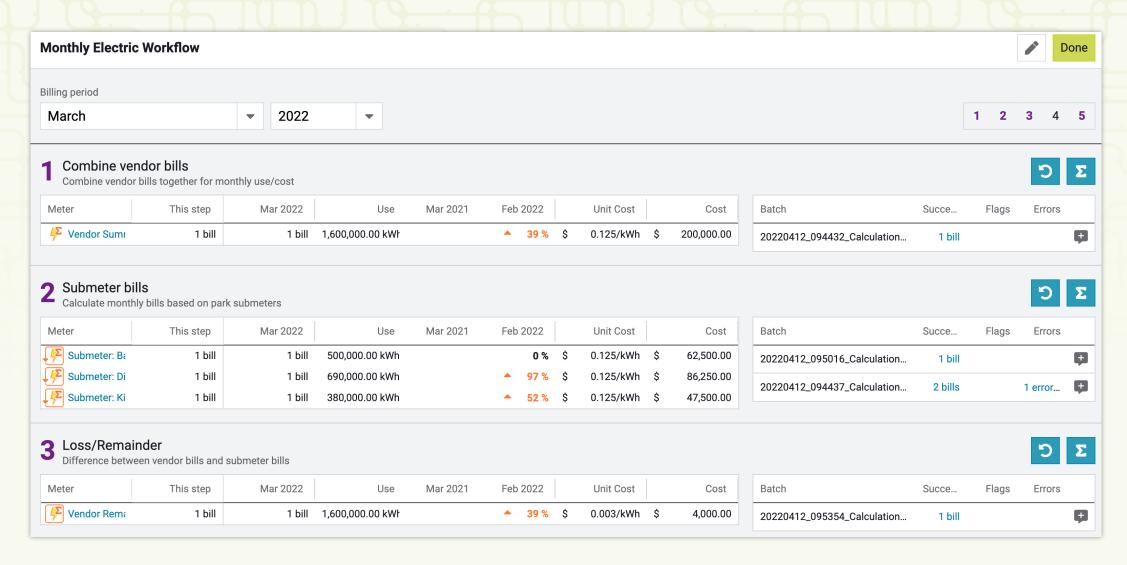
Increase visibility across your team

#### **Easily reversible**

### Configure workflow steps based on your monthly process



### Follow the workflow steps each month-analyze results as you go



### Identify billing issues, outliers, and missing data with each workflow step

#### 1 Calculate Submeter Bills at Stores

Calculate electricity and natural gas bills for submeters at each store

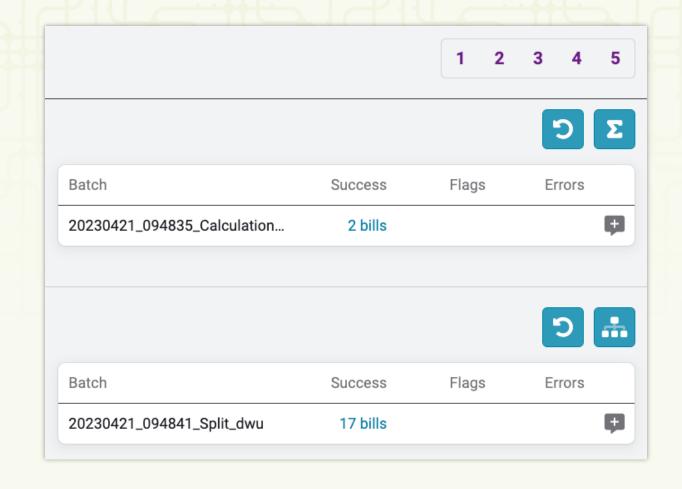
Meter	This step	Jun 2018	Use	Ju	un 2017	Ma	y 2018	Unit Cost	Cost
SUB-SW-LA MALL-STORE A-ELE01	1 bill	1 bill	39,117.23 kWh	•	15 %	_	37 %	\$ 0.110/kWh	\$ 4,305.38
SUB-SW-LA MALL-STORE A-NG01	1 bill	1 bill	76.90 THERM	•	<b>56</b> %	•	<b>59</b> %	\$ 1.060/THERM	\$ 81.49
SUB-SW-LA MALL-STORE B-ELE01	1 bill	1 bill	41,814.97 kWh	•	15 %	_	37 %	\$ 0.110/kWh	\$ 4,602.30
SUB-SW-LA MALL-STORE B-NG01	1 bill	1 bill	92.92 THERM	•	<b>56</b> %	•	<b>59</b> %	\$ 1.060/THERM	\$ 98.47
SUB-SW-LA MALL-STORE C-ELE01	1 bill	1 bill	40,466.10 kWh	•	15 %	_	37 %	\$ 0.110/kWh	\$ 4,453.84
SUB-SW-LA MALL-STORE C-NG01	1 bill	1 bill	105.73 THERM	•	<b>56</b> %	•	<b>59</b> %	\$ 1.060/THERM	\$ 112.05

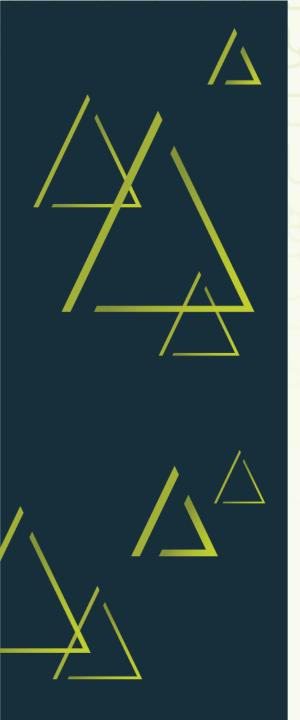
#### 2 Calculate Common Area Bills

Subtract the submeter bills from the vendor bills to determine use/cost for common areas

Meter	This step	Jun 2018	Use	Ju	ın 2017	Ma	ay 2018	Unit Cost	Cost
► LA_MALL-COMMON_AREA-ELE01	1 bill	1 bill	13,488.70 kWh	•	5 %	_	37 %	\$ 0.110/kWh	\$ 1,484.61
LA_MALL-COMMON_AREA-NG01	1 bill	1 bill	44.86 THERM	•	49 %	•	<b>59</b> %	\$ 1.060/THERM	\$ 47.54

### Quickly review the status of workflow steps—any step can be reversed and re-processed





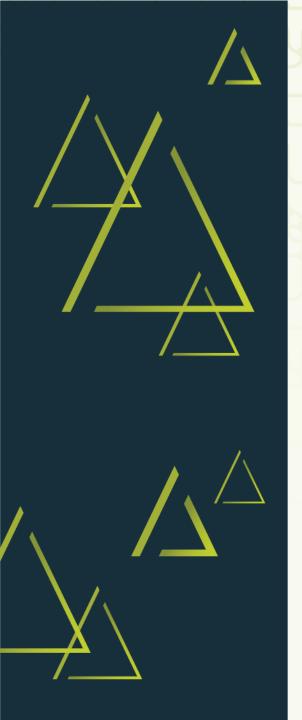
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## Create, review, and update all chargeback settings with EnergyCAP setup spreadsheets

All chargeback configuration options are available via setup spreadsheets

**Download all chargeback settings at once**—helpful for team review, documentation, and making bulk updates

Easy to replicate a configuration to multiple accounts/meters

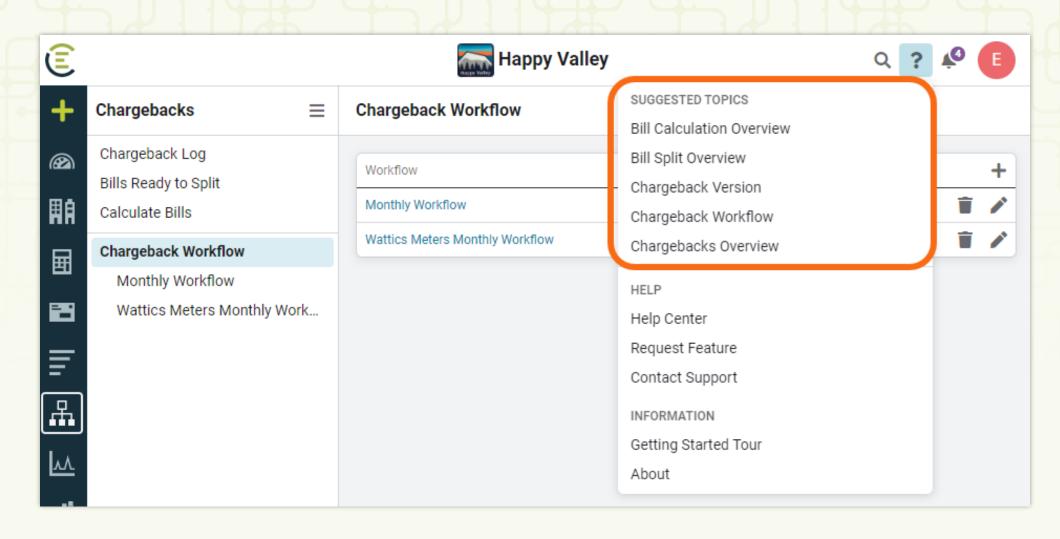
# Create, review, and update all chargeback settings with EnergyCAP setup spreadsheets

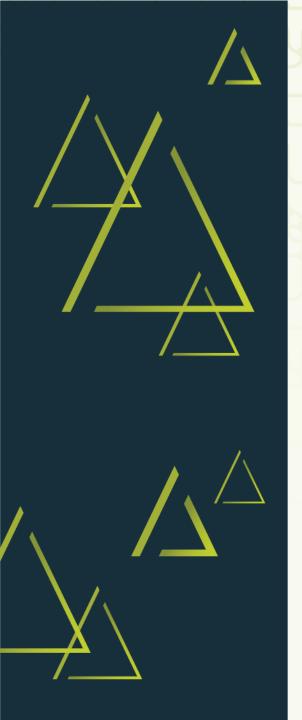
Bill Split Master (Parent)		Static Split Percentages	Dynamic Split Percentages (based on floor area)	Advanced Split		
Meter Account		Destination Meter	Destination Meter	Destination Meter Group		
Meter Code Account Number		Meter Code Meter Code		Meter Group (select)		
CENTRAL_CAMPUS-MAIN-ELE01	CAMPUS-55021936970	SPLT-STUDENT_UNION-FUND_A-ELE_01				
GOV-SUMMARY_METER-ELE01	GOV-SUMMARY_METER-ELE01	GOV-BUILDING_A-ELE02				
		GOV-BUILDING_B-ELE01				
		GOV-BUILDING_B-ELE02				
		GOV-BUILDING_C-ELE02				
ROP-COMMON_AREA-ELE01	PROP-55020012849		SPLT-BLDG H-COMM AREA SHR-ELE			
			SPLT-BLDG I-COMM AREA SHR-ELE			
			SPLT-BLDG J-COMM AREA SHR-ELE			
PROP-COMMON_AREA-NG01	PROP-2693590024		SPLT-BLDG H-COMM AREA SHR-NG			
			SPLT-BLDG I-COMM AREA SHR-NG			
			SPLT-BLDG J-COMM AREA SHR-NG			
PROP-LA_MALL_MASTER-WS01	PROP-4496923	SPLT-PROP-LA MALL-STORE A-WS01				
		SPLT-PROP-LA MALL-STORE B-WS01				
		SPLT-PROP-LA MALL-STORE C-WS01				
PROP-MASTER_WATER/SEWER-WS01	PROP-0304-000211.02		SPLT-BLDG H-WS01			
			SPLT-BLDG I-WS01			
			SPLT-BLDG J-WS01			
STEAM_REMAINDER_SUMMARY	STEAM_REMAINDER_SUMMARY			Steam Submeters		
SUB-STUDENT_UNION_ELE_01	SUB-STUDENT_UNION_ELE_01		SUB-CLASSROOM_ELE_01			
			SUB-LABORATORY_ELE_01			
SUB-STUDENT_UNION_NG_01	SUB-STUDENT_UNION_NG_01	SPLT-STUDENT_UNION-FUND_A-NG_01				
		SPLT-STUDENT_UNION-FUND_B-NG_01				
SUB-STUDENT_UNION_STM_01	SUB-STUDENT_UNION_STM_01	SPLT-STUDENT_UNION-FUND_A-STM_0	1			
		SPLT-STUDENT_UNION-FUND_B-STM_0	1			
SUB-STUDENT_UNION_WS_01	SUB-STUDENT_UNION_WS_01	SPLT-STUDENT_UNION-FUND_A-WS_01				
		SPLT-STUDENT_UNION-FUND_B-WS_01				

## Create, review, and update all chargeback settings with EnergyCAP setup spreadsheets

Calculated Bill Details		Calculated Bill Use	Calculated Bill Cost	Calculated Bill Demand	Add Meter Lines	Add Account Lines	
Meter	Account	Channel Readings	Rate Schedule	Channel Readings	Meter Line to Add	Account Line to Ado	
Meter Code	Account Number	Channel Type (select)	Use Rate Schedule from this Meter	Channel Type (select)	Fixed Amount, Percentage, or Subtotal	Fixed Amount or Percentage	
0004760-GASOLINE-DOT-01	70004760-DOT		Use Meter's Rate Schedule				
BILL_CAPTURE_EXAMPLE-ELE01	53-8579215-2						
GOV-SUMMARY_METER-ELE01	GOV-SUMMARY_METER-ELE01						
A_MALL-COMMON_AREA-ELE01	LA_MALL-COMMON_AREA-ELE01		-				
A_MALL-COMMON_AREA-NG01	LA_MALL-COMMON_AREA-NG01						
STEAM_PLANT_ELE_01	65409234-23						
STEAM_REMAINDER_SUMMARY	STEAM_REMAINDER_SUMMARY						
SUB-CLASSROOM_ELE_01	SUB-CLASSROOM_ELE_01	Reading Use			Subtotal		
					Fixed Amount		
SUB-CLASSROOM_NG_01	SUB-CLASSROOM_NG_01	Reading Use					
SUB-CLASSROOM_STM_01	SUB-CLASSROOM_STM_01	Reading Use					
SUB-CLASSROOM_WS_01	SUB-CLASSROOM_WS_01	Reading Use					
SUB-GYMNASIUM_ELE_01	SUB-GYMNASIUM_ELE_01	Reading Use				Percentage	
SUB-GYMNASIUM_NG_01	SUB-GYMNASIUM_NG_01	Reading Use					
SUB-GYMNASIUM_STM_01	SUB-GYMNASIUM_STM_01	Reading Use					
SUB-GYMNASIUM_WS_01	SUB-GYMNASIUM_WS_01	Reading Use					
SUB-LABORATORY_ELE_01	SUB-LABORATORY_ELE_01	Reading Use					
UB-LABORATORY_NG_01	SUB-LABORATORY_NG_01	Reading Use					
UB-LABORATORY_STM_01	SUB-LABORATORY_STM_01	Reading Use					
UB-LABORATORY_WS_01	SUB-LABORATORY_WS_01	Reading Use					
UB-MUSIC_ELE_01	SUB-MUSIC_ELE_01	Reading Use					
UB-MUSIC_NG_01	SUB-MUSIC_NG_01	Reading Use					

### **Chargebacks Help Documentation**





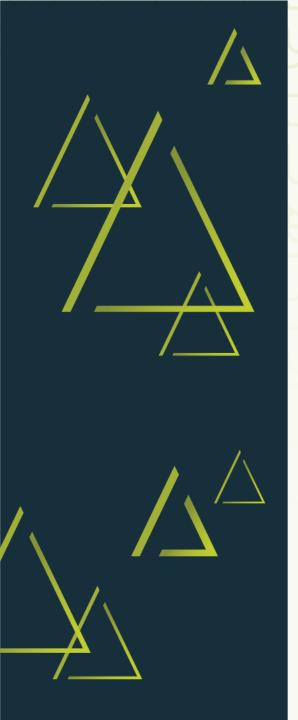
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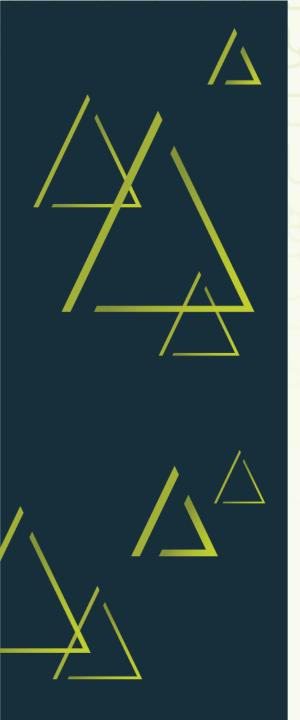
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**BONUS TOPICS!!!** 

### **Bonus Chargeback Topics**

Report 09a - Invoice Report

Report Distributions to support chargeback billing

Including account and meter charges on calculated bills

**Chargeback versions** 

### Questions?

# Session Survey

conferences.energycap.com/surveys

