



Presents:

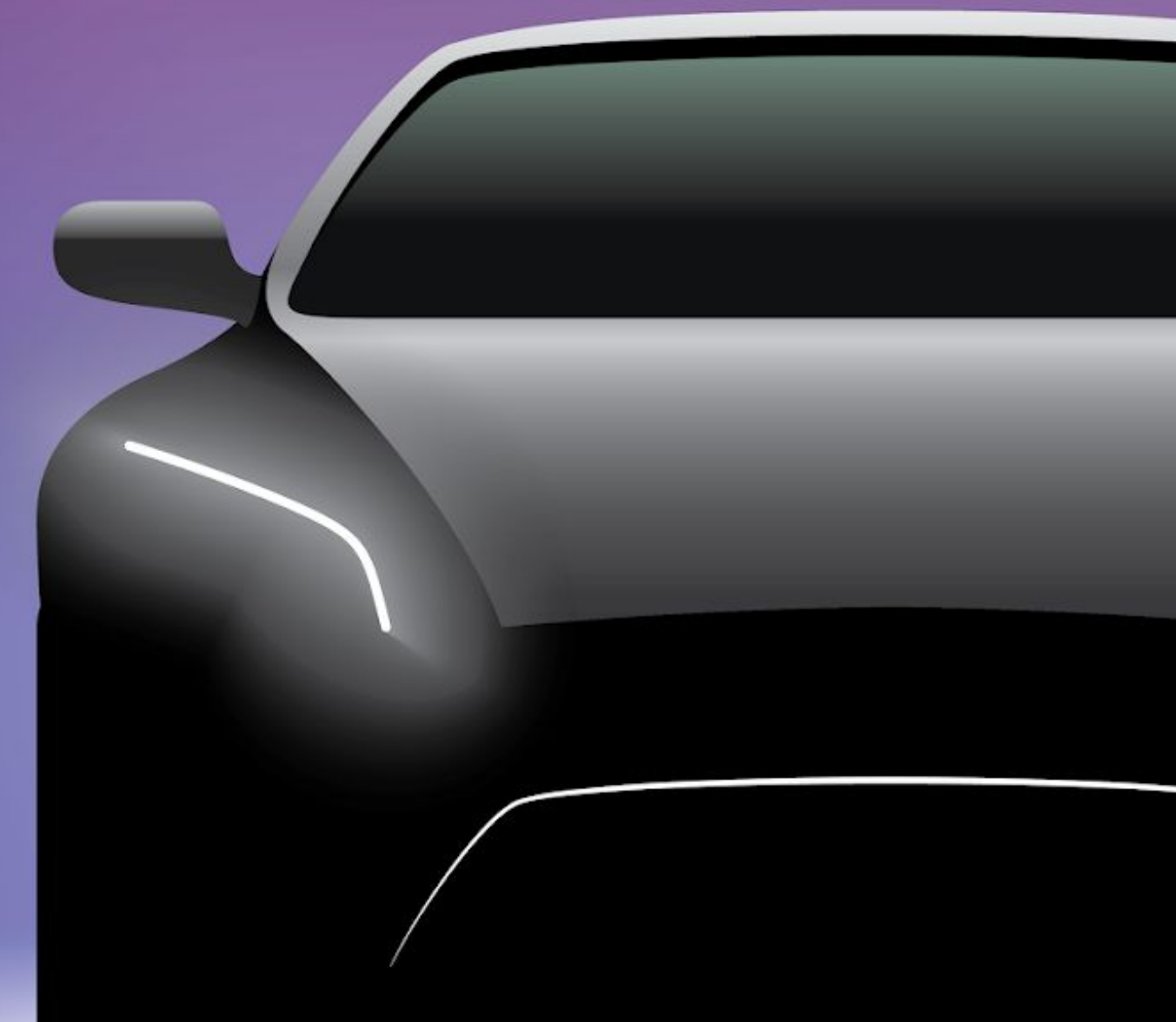
evoke

fuel the shift™

Software Enabled
EV Charging
Management &
Scalability

2024

www.evokesystems.com



Scalable, winning tech and service



Core Tech

Industry-best **microservices architecture and low-tech debt** let us roll out new software and features immediately and without breakage – **we win and keep customers vs. e.g., Flo and EV Connect**

“EVOKE’s ability to quickly implement...enhancements enables us to exceed customer expectations when it matters most.” - James Justice, EVP, DVM



Group Management

EVOKE’s **best-in-class groups and permissions management** was designed to meet the needs of large portfolio owners: permissions, charger / site-level exposure, reporting, and more can be easily set up through our software



Load Management

EVOKE’s **software-only load management** is far more flexible and robust than industry-standard hardware approach – and can be managed across any locations, at charger level



Software User Experience

*“Of the ones we use, **EVOKE is more user friendly.** Very intuitive without going through too many steps to **get up and running**”* – EE Pros



Customer Service

*“EVOKE offers the **most responsive and collaborative customer service** that I’ve dealt with in the EV charging space. **Their focus on partners like us enables us to deliver the unparalleled service our customers expect.**”*

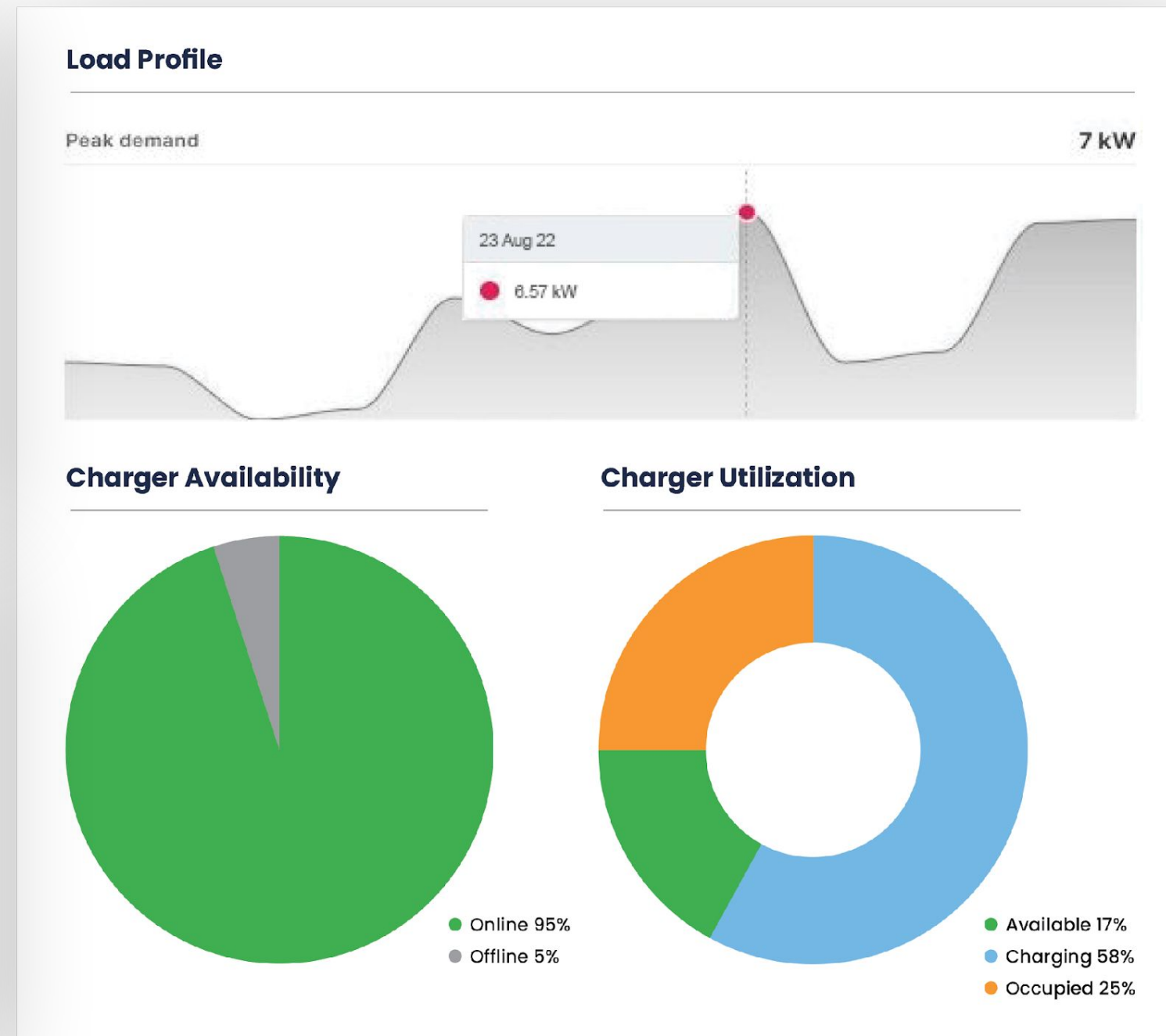
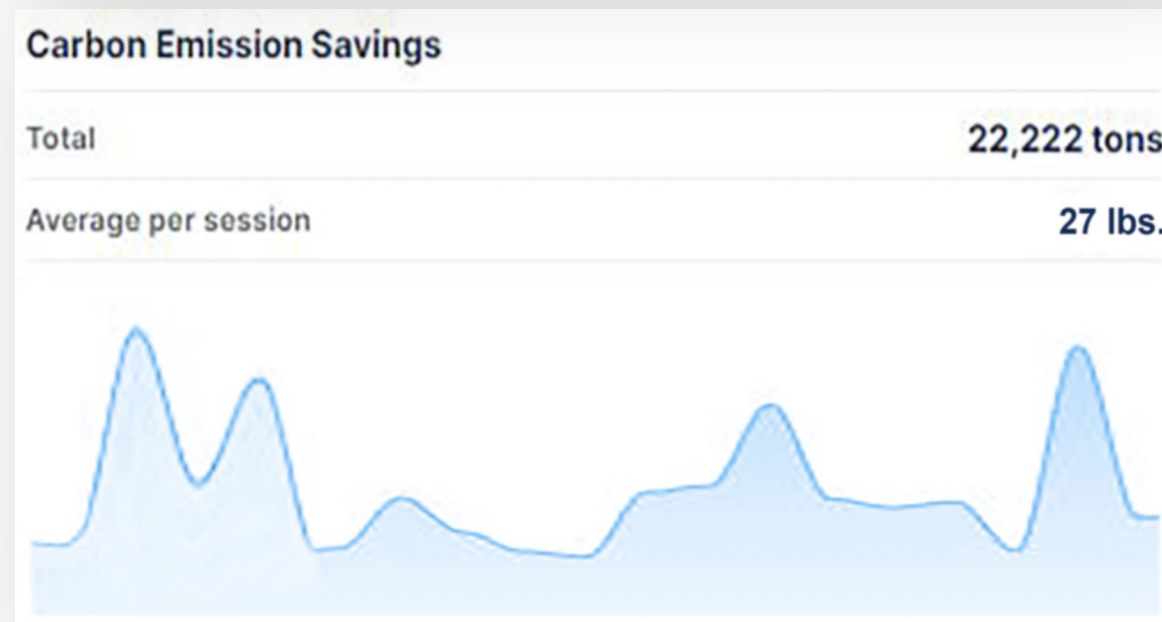
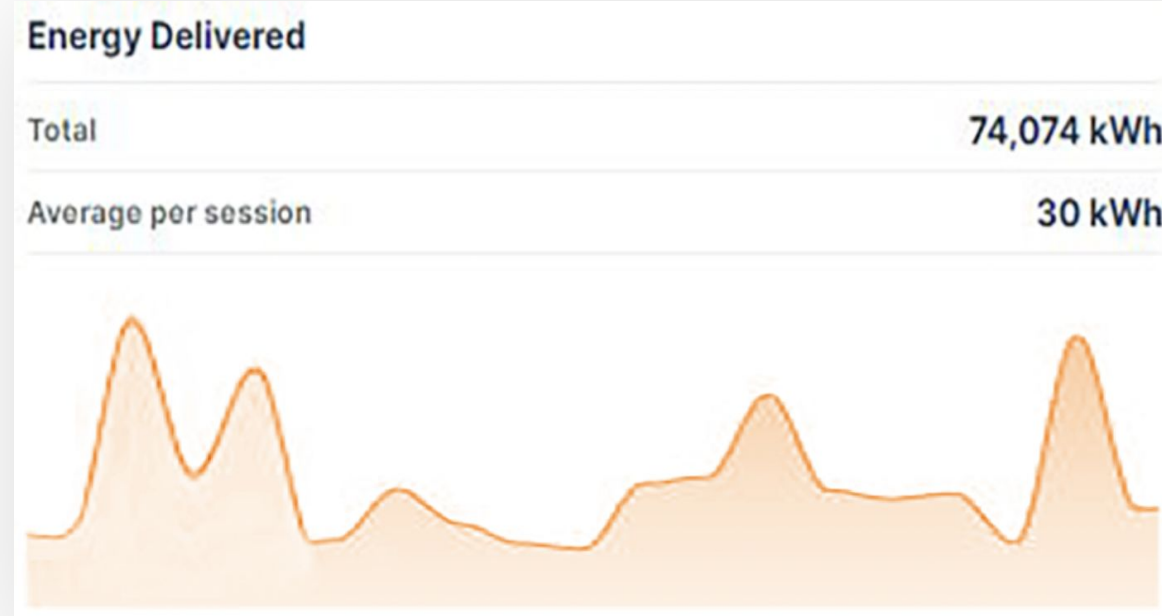
- Bill Gauthier, Jacomb lighting

Charge Session Summary

Download data to Excel

Sessions Data

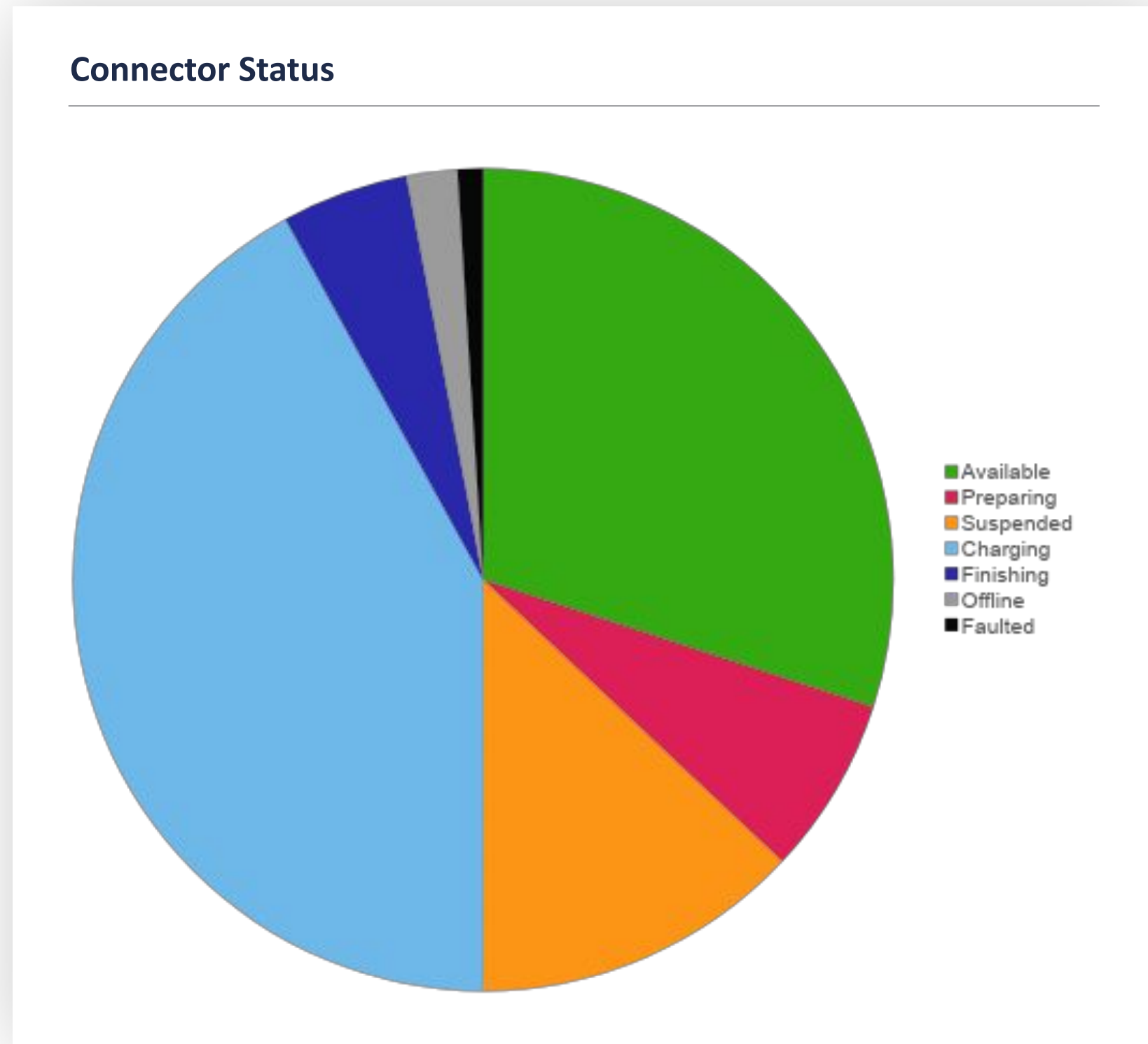
Total sessions	Charge time total hrs:min	Charge time average hrs:min	Idle time total hrs:min	Idle time average hrs:min	Connected time total hrs:min	Connected time average hrs:min	Energy delivered total kWh	Energy delivered average kWh	Energy peak kW
974	12893:45	13:14	2268:07	02:19	15161:52	15:33	29,074.22	29.85	131.79



- Charge Session Summary details
- Energy Delivered
- Load Profile
- Carbon Emission Savings
 - Supports ESG reporting
 - Qualify for Low Carbon Fuel Standard (LCFS) credits
- Charger Availability
- Charger Utilization

Charging Activity

- Charger availability & connector status
- Active charge session information
- Ability to Close Session



Charging Activity

Active Charge Sessions

Actions	Organization	Site name	Charger ID	Connector	QR code	Driver	Start time	Status	Connected duration hrs:min	Charge duration hrs:min	Idle duration hrs:min	Energy delivered kWh	Current cost (\$)
⋮	Tampa REIT	Apartment Complex	██████████	1	██████████	██████████	04/15/2023 18:22:35	Charging	44:21	11:34	32:47	27.45	\$14.68
⋮	Tampa REIT	Downtown Condos	██████████	2	██████████	██████████	04/17/2023 10:06:08	Charging	04:36	04:36	00:00	28.35	\$15.00
⋮	Tampa REIT	Downtown Condos	██████████	1	██████████	██████████	04/17/2023 09:08:17	Available	05:33	05:13	00:19	33.52	\$26.64

Close Session

Charge Stations

Charge Stations

Actions	Organization	Location	Station	Reseller	Address	Charger Model	No. of chargers	Status	% Online	Notes	Network	Public Access	Pricing Policy
Edit Charge Station	Tampa REIT	Main Garage	Apartment Complex 1	Tampa ESCO	100 Corporate Park Dr.	Wall Mount	5	Available	100%		ATT	true	\$0.31/kWh + \$2.50 session fee
Change Status	Tampa REIT	Main Garage	Apartment Complex 2	Tampa ESCO	100 Corporate Park Dr.	Wall Mount	5	Available	60%		ATT	true	\$0.31/kWh + \$2.50 session fee
Load Management	Tampa REIT	Eastside Units	Downtown Condos 1	Tampa ESCO	100 Corporate Park Dr.	Pedestal Mt	10	Available	50%		Wi-Fi	true	\$0.31/kWh + \$2.50 session fee
Chargers	Tampa REIT	Westside Units	Downtown Condos 2	Tampa ESCO	100 Corporate Park Dr.	Pedestal Mt	9	Available	88%		Wi-Fi	true	\$0.31/kWh + \$2.50 session fee

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- View & edit charge station details
- Add notes
- View & edit pricing policies



Chargers

- View detailed charger information, activity, and diagnostics
- Take action:
 - Identify charger issues
 - Start or stop a charge session
 - Reset or reboot charger

The screenshot displays the eVoke StuyTown web interface. The left sidebar contains navigation menus for OPERATIONS, FINANCIAL DATA, CHARGERS, POLICIES, and ACCOUNTS. The 'Chargers' menu item is highlighted. The main content area shows a table of chargers with columns for Actions, Organization, Site name, Location, Charger ID, QR code, Status, Health status, Model, and Firmware version. A dropdown menu is open over the 'Actions' column, listing various actions such as Get Diagnostic, Activity Logs, Reboot Charger, Start Charge, Soft Reset, Recycle WebSocket, Show Configuration, Hard Reset, Stop Charge, Download Diagnostic, and Refresh Status. The table lists 10 chargers with various statuses like Available, Charging, Finishing, Preparing, and Offline.

Actions	Organization	Site name	Location	Charger ID	QR code	Status	Health status	Model	Firmware version
⋮	Tampa REIT	Headquarters	Main Parking Lot	1SCL-1-2019-00090	1SCL-1-2019-00090	Available	●	DCFC Charger	V1.00.0000
🔍 Get Diagnostic	Tampa REIT	Headquarters	Visitor's Garage	1AHM-5-2357-116680	1AHM-5-2357-116680	Charging	●	DCFC Charger	V1.00.0000
📄 Activity Logs	Tampa REIT	Apartment Complex	Leasing Office	TJM-EL1073168	TJM-EL1073168	Charging	●	Wall Mount	V1.00.0000
🔄 Reboot Charger	Tampa REIT	Apartment Complex	Main Garage	TJM-KC3171044	TJM-KC3171044	Available	●	Wall Mount	V1.00.0000
🔌 Start Charge	Tampa REIT	Apartment Complex	Outdoor Parking	TJM-MM1073168	TJM-MM1073168	Finishing	●	Wall Mount	V1.00.0000
🔄 Soft Reset	Tampa REIT	Downtown Condos	Eastside Units	PR-07201968	PR-07201968	Preparing	●	Pedestal Mt	V1.00.0000
🔄 Recycle WebSocket	Tampa REIT	Downtown Condos	Westside Units	PR-02150007	PR-02150007	Offline	●	Pedestal Mt	V1.00.0000
⚙️ Show Configuration	Tampa REIT	Downtown Condos	Guest Parking	PR-05280838	PR-05280838	Charging	●	Pedestal Mt	V1.00.0000
🔄 Hard Reset									
🔌 Stop Charge									
📄 Download Diagnostic									
🔄 Refresh Status									

Idle Fee Time-of-Use (TOU)

- Suspend idle fees during specified days and time periods

Like during the night so that drivers don't have to wake up to move their EVs!

[Add Idle Fee TOU](#)

Action	Name	From Date	To Date	Recurring	Start Time	End Time	Idle Fee	Grace Period
	weekends 2	04/13/2023	04/13/2024	WEEKLY	10:19	11:20	10	30

Rows per page: 10 ▾ 1-1 of 1 < >

Add Idle Fee TOU

Name*

Start Date:
End Date:

Recurring
 ▾

Start Time:
End Time:

Idle Fee: \$
Grace Period: Min

- Create different schedules to use
- Flexibility to define
 - Start / end date & time
 - Specific days only or always
 - Idle fee
 - Grace period

Pricing Policies

- Operators set policies to reflect business requirements
- Set to charging price to free, by energy delivered (kWh), flat fee, or duration
- Set session fees
- Charge idle fees with an optional grace period
- Assign different pricing rates based on account class or individual account
- Access control by location or by charger
- Set pricing by time-of-day

The 'Add Pricing Policy' form includes the following fields and options:

- Policy Name***: Text input field with placeholder 'Enter Policy Name'.
- Organization Name***: Dropdown menu with placeholder 'Select Organization*'.
- Policy Type**: Radio buttons for Free, By Energy, By Duration, and Flat.
- Session Fee**: Text input field with '\$ 0'.
- Price***: Text input field with '\$ 0 /kWh'.
- Idle Fee**: Text input field with '\$ 0 /hour'.
- Grace Period**: Text input field with '0'.
- Max Charge Duration**: Text input field with '0 hours'.
- TOU**: Section header for Time-of-Use pricing.
- Price Schedule**: Table area with a '+ Add TOU' button and 'No data available' text.
- Idle Fee Schedule**: Table area with 'No data available' text.

The 'Add Price Schedule' form includes the following fields and options:

- Recurring***: Dropdown menu with 'Select Recurring'.
- Schedule Type***: Dropdown menu with 'Select Schedule Type'.
- Start Time**: Time picker field with '09:00 AM'.
- End Time**: Time picker field with '12:00 PM'.
- Price***: Text input field with '\$ /kWh'.
- Buttons**: 'Cancel' and 'Add' buttons at the bottom right.

Set Privileges

- Create privileges
 - Create pricing policies – free or reduced price – for groups of drivers at selected locations
 - Discounts based on time-of-day

Add Privilege

1
Privilege Policy

2
Attach Location

Privilege Name*

Organization Name*

Privilege Code*

Auto Approve

Policy Type
 Free By Energy By Duration Flat

Expiry period
 years months

Session Fee Price* /kWh Idle Fee /hour Grace Period mins

Max Charge Duration hours

TOU

Price Schedule Idle Fee Schedule

Load Management

- Limit load based on service capacity
- Reduce peak demand
 - Mitigate the impact of demand charges and lower operating costs
- Load shift based on TOU rates
- Defer capital investment and/or accommodate long lead times to upgrade service
- Generate revenue by participating in demand response programs

The screenshot shows a web application interface for managing load limits. The interface is divided into three sections: Peak Load, Load Reduction, and Load Shift. The 'Add Load Limit Schedule' dialog box is open, showing the following fields:

- Name***: Enter Schedule Name
- Recurring Type***: Select Recurring Type
- Start Date***: Select Start Date
- End Date***: Select End Date
- Start Time***: 02:00 PM
- End Time***: 06:00 PM
- Limit***: Enter Limit
- Unit**: amps kW

Buttons for 'Cancel' and 'Add' are visible at the bottom right of the dialog box.

Load Management

- Set load limits in Amps / kW by site, location, account
- Schedule peak demand by time-of-day or season
- Dynamic
 - Integrate with BMS/EMS or site meter
 - Grid integration with Automated Demand Response (OpenADR 2.0b certified)
- Demand management strategies
 - Power share – all vehicles served at reduced power
 - First Come/First Serve – Next EV in line starts charging when load falls below limit
 - Round Robin
- Option to exclude specified chargers or drivers to give them charging priority

Charge Station: Tampa REIT Downtown Condos

Load Limit Type ⓘ

Permanent Scheduled Dynamic

Load management strategy ⓘ

Power Share First Come/First Served Round Robin

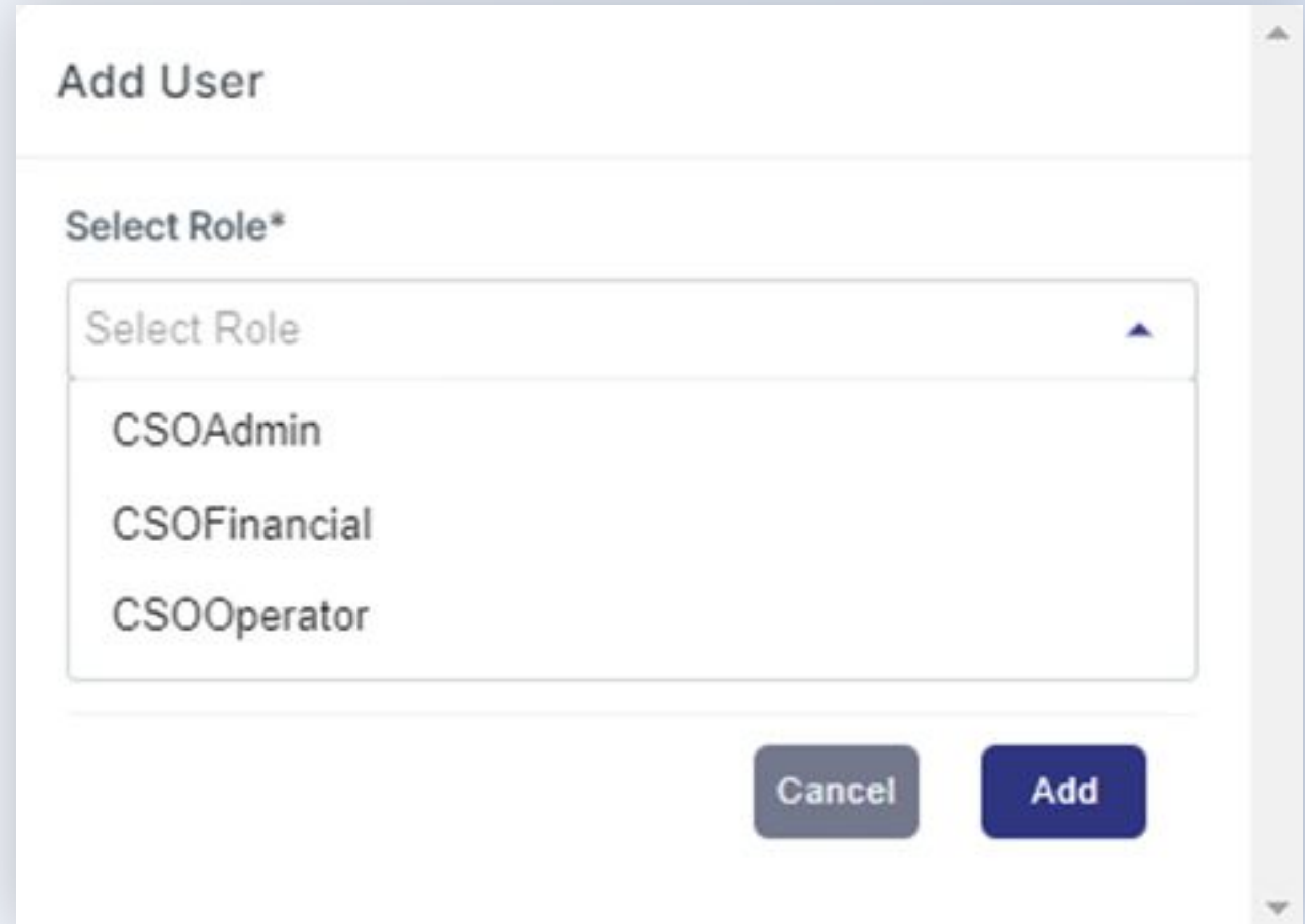
Permanent load limit

Load limit schedule ⓘ [+ Add Load Limit Schedule](#)

From Date	To Date	Recurring	Start Time	End Time	Limit	
02/02/2023	03/02/2023	Daily	10:00	14:00	200 Amps	⊗
03/05/2023	03/30/2023	Weekly	09:00	18:00	400 Amps	⊗

Role-Based Access Control

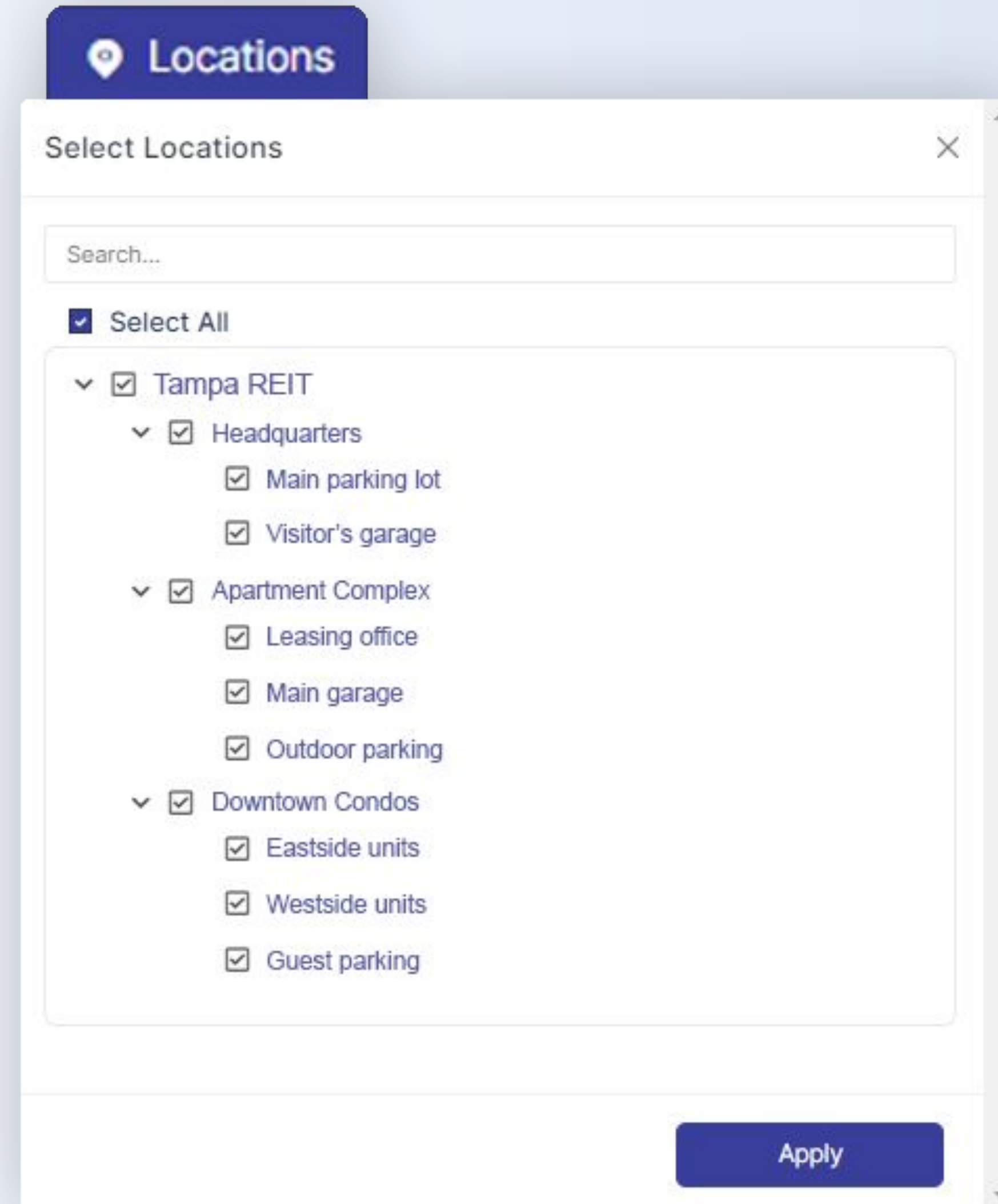
- **Administrator** – Full access to see and manage everything
- **Financial** – Access revenue and cost data
- **Operator** – Manage charger sessions and chargers



The screenshot shows a web interface for adding a user. At the top, it says "Add User". Below that is a section titled "Select Role*" with a dropdown menu. The dropdown menu is open, showing three options: "CSOAdmin", "CSOFinancial", and "CSOOperator". At the bottom right of the dialog, there are two buttons: "Cancel" and "Add".

Group Management

- Group charge stations by locations
- Simplifies managing charge stations and setting pricing policies & privileges



Activity Logs & Charger Configuration

- Detailed visibility of charger configuration and connector status with date and time stamps, error codes, and network name assists us in debugging issues with your chargers

Chargers Activity Logs

Activity Logs

Q Search

Event Time	Event Type	Data	SSID
2023/04/25 03:28:35 AM	StatusNotification	connectorid errorCode status 1 NoError Available	
2023/04/25 03:28:33 AM	StatusNotification	connectorid errorCode status 2 NoError Available	
2023/04/25 02:44:58 AM	StatusNotification	connectorid errorCode status 2 NoError Available	
2023/04/25 02:44:55 AM	StatusNotification	connectorid errorCode status 1 NoError Available	
2023/04/25 02:04:18 AM	StatusNotification	connectorid errorCode status 1 NoError Available	

2023/04/25 02:04:07 AM	StatusNotification	2	NoError	Available	
2023/04/25 01:21:19 AM	StatusNotification	connectorid errorCode status 1 NoError Available			
2023/04/25 01:21:18 AM	StatusNotification	connectorid errorCode status 2 NoError Available			
2023/04/25 12:34:49 AM	StatusNotification	connectorid errorCode status 1 NoError Available			
2023/04/17 01:27:28 AM	NewSession	identifier 1EC4-1-2130-00080			

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CLOSE

Chargers Show Configuration

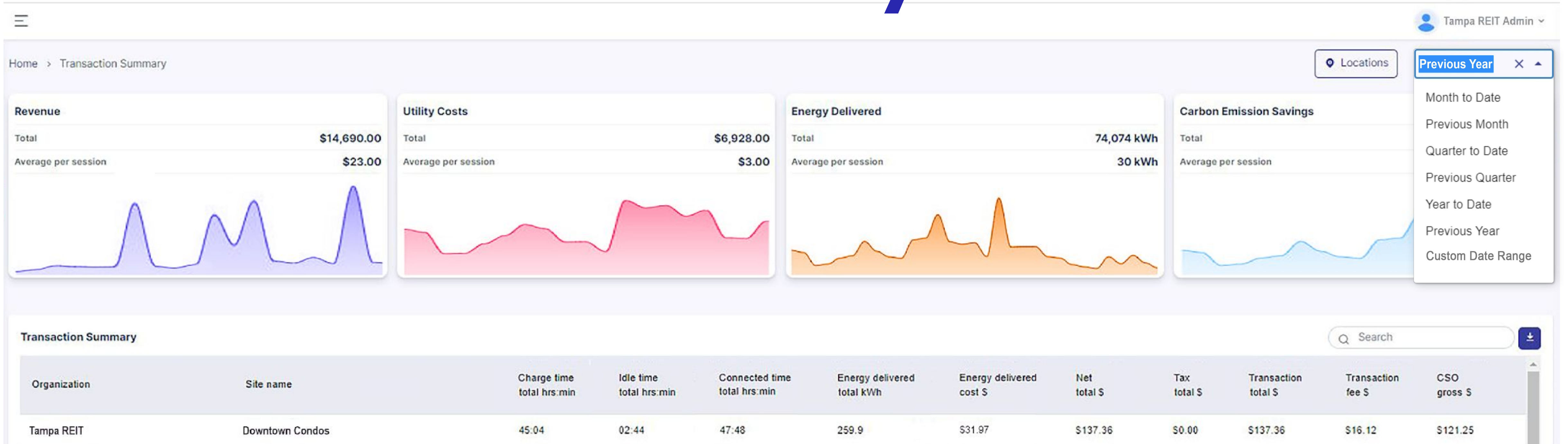
Configurations

ChargePointVendor	RO	FLEV
ChargePointModel	RO	Wall Mount
ChargePointSerialNumber	RO	
HardwareVersion	RO	
FirmwareVersion	RO	
ProductionDate	RO	
ConnectorType	RO	SAE J1772
MaxAmperageConnector	RO	32.0

SendLockOnMaxCharge	RO	true
ReserveConnectorZeroSupported	RO	true
ChargeProfileMaxStackLevel	RO	99
ChargingScheduleAllowedChargingRateUnit	RO	Current,Power
ChargingScheduleMaxPeriods	RO	32
ConnectorSwitch3to1PhaseSupported	RO	false
MaxChargingProfilesInstalled	RO	10
RemoteControlType	RO	OCPP

CLOSE

Transaction Summary



- Revenue & Costs, Energy Delivered, and Carbon Emission Savings
- Summarized by time period of interest for chargers in selected locations

Transaction Register

Transaction Register

Date ↓	Organization ↓	Site name ↓	Charger ID ↓	QR code ↓	Session ID ↓	Driver ID ↓	Start time ↓	End time ↓	Connected time total hrs.min	Charge time total hrs.min	Idle time total hrs.min	Energy delivered total kWh	Energy delivered cost \$	Idle fee \$	Session fee \$	Net total \$	Tax \$	Transaction total \$	Transaction fee \$	Fee %	Fee \$	CSO gross \$	Payment status ↓
04/16/2023	Tampa REIT	Apartment Complex	[REDACTED]	[REDACTED]	2c978082872844eb0187...	3e2a12d3-77ef-4720-b...	04/16/2023 14:59:19	04/17/2023 06:58:12	15:58	03:47	12:11	23.23	\$4.65	\$0.00	\$0.95	\$12.56	\$0.50	\$13.06	\$0.88	7	\$0.88	\$11.68	PAID
04/16/2023	Tampa REIT	Apartment Complex	[REDACTED]	[REDACTED]	2c978082872844eb0187...	e1e9c4c9-99ca-4494-8...	04/16/2023 22:41:53	04/17/2023 10:21:18	11:39	09:02	02:37	55.37	\$11.07	\$0.00	\$0.95	\$28.63	\$1.15	\$29.78	\$2.00	7	\$2.00	\$26.63	PAID
04/15/2023	Tampa REIT	Downtown Condos	[REDACTED]	[REDACTED]	2c978082872844eb0187...	494a9ff5-e554-4102-8...	04/15/2023 20:16:32	04/16/2023 12:32:59	16:16	10:29	05:46	63.62	\$12.72	\$0.00	\$0.95	\$32.76	\$1.31	\$34.07	\$2.29	7	\$2.29	\$30.47	PAID
04/15/2023	Tampa REIT	Downtown Condos	[REDACTED]	[REDACTED]	2c978082872844eb0187...	1316052d-c5ac-46c0-a...	04/15/2023 00:29:01	04/15/2023 14:34:17	14:05	07:04	07:01	43.33	\$8.67	\$0.00	\$0.95	\$22.62	\$0.90	\$23.52	\$1.58	7	\$1.58	\$21.04	PAID

- Detailed charge session information by site, location, and charger
- Energy cost and revenue data
- Idle & Session fees
- Taxes
- CSO gross shows the charge session payment from EVOKE to Charge Station Operator after transaction fee

Reporting

Joint Utilities Commission

Locations Month to Date

Search

PIEID	CSID	DRID	CEVID	VCTime	VDTIME	CSTime	CETime	CEKW	PEKWH	CUEKWH	15MSTA	15MSTO	RAVGP	RPP
				03/31/2023 07:07:00	04/03/2023 17:01:22	04/01/2023 22:14:49	04/01/2023 22:16:15	0	23.25	1,309.86	04/01/2023 22:15:00	04/01/2023 22:16:15	0	0
				03/31/2023 07:07:00	04/03/2023 17:01:22	04/01/2023 22:16:15	04/01/2023 22:23:29	0.01	23.25	1,309.86	04/01/2023 22:16:15	04/01/2023 22:23:29	0	18.38
				03/31/2023 07:07:00	04/03/2023 17:01:22	04/01/2023 22:23:49	04/01/2023 22:26:29	0	23.25	1,309.86	04/01/2023 22:23:49	04/01/2023 22:26:29	0	0
				03/31/2023 07:07:00	04/03/2023 17:01:22	04/01/2023 22:26:49	04/01/2023 22:34:29	0.01	23.25	1,309.87	04/01/2023 22:26:49	04/01/2023 22:29:59	0	18.38
				03/31/2023 07:07:00	04/03/2023 17:01:22	04/01/2023 22:26:49	04/01/2023 22:34:29	0.01	23.25	1,309.87	04/01/2023 22:30:00	04/01/2023 22:34:29	0	0
				03/31/2023 07:07:00	04/03/2023 17:01:22	04/01/2023 22:34:49	04/01/2023 22:38:29	0.03	23.25	1,309.87	04/01/2023 22:34:49	04/01/2023 22:38:29	0.01	18.38

- EVOKE provides monthly transaction revenue reporting broken out by charge station sites and chargers along with payments to CSOs
- All dashboard views are downloadable to a CSV file
- Third-party reporting to government agencies & utilities for rebates
- Select and download reports by location and selectable date ranges
- ESG and carbon credit reporting



+

evOKE

fuel the shift™

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