



NO MORE GUESSWORK:

OCPP 2.0.1, DATA YOU CAN TRUST,
AND SMARTER EV PROGRAM DESIGN

AUGUST 20, 2026

Webinar Logistics

Recording will be posted on
EVCAN.org



Mute until Q&A



Q&A for questions, chat for
technical issues



Agenda

01 Where technology fits into program success

02 Con Edison perspective

03 How OCPP 2.0.1 delivers interoperability, visibility, and trust

04 EVCAN Technical Specification & QPL

05 Q&A

Three quick polls along the way - we want to hear from you.

TODAY'S SPEAKERS

Who you'll hear from

A portrait of Carolyn Weiner, a woman with curly brown hair, smiling. She is wearing a maroon sweater and a gold necklace with small beads. The background is a solid blue color.

Carolyn Weiner
Program Director
EVCAN

The EVCAN logo, featuring the word "EVCAN" in a bold, sans-serif font. The "V" is stylized with a green and yellow gradient, and the "A" has a blue swoosh underneath it.A portrait of Michael Badeski, a man with short dark hair, smiling. He is wearing a light blue button-down shirt. The background is a solid blue color.

Michael Badeski
Section Manager, EV Strategy
CON EDISON

The conEdison logo, featuring a stylized blue "E" icon followed by the word "conEdison" in a bold, sans-serif font.

WHO WE ARE

We are a **501c3**
nonprofit organization
with deep roots in
energy efficiency and
decarbonization.



EVCAN



Our Vision

Selecting equipment without understanding communication standards can lock a program into a narrow set of vendors.



Our Mission

To accelerate deployment of reliable and connected EV charging across North America through stakeholder engagement and access to impartial tools and resources.

SECTION 01

Where Technology Fits Into Program Success



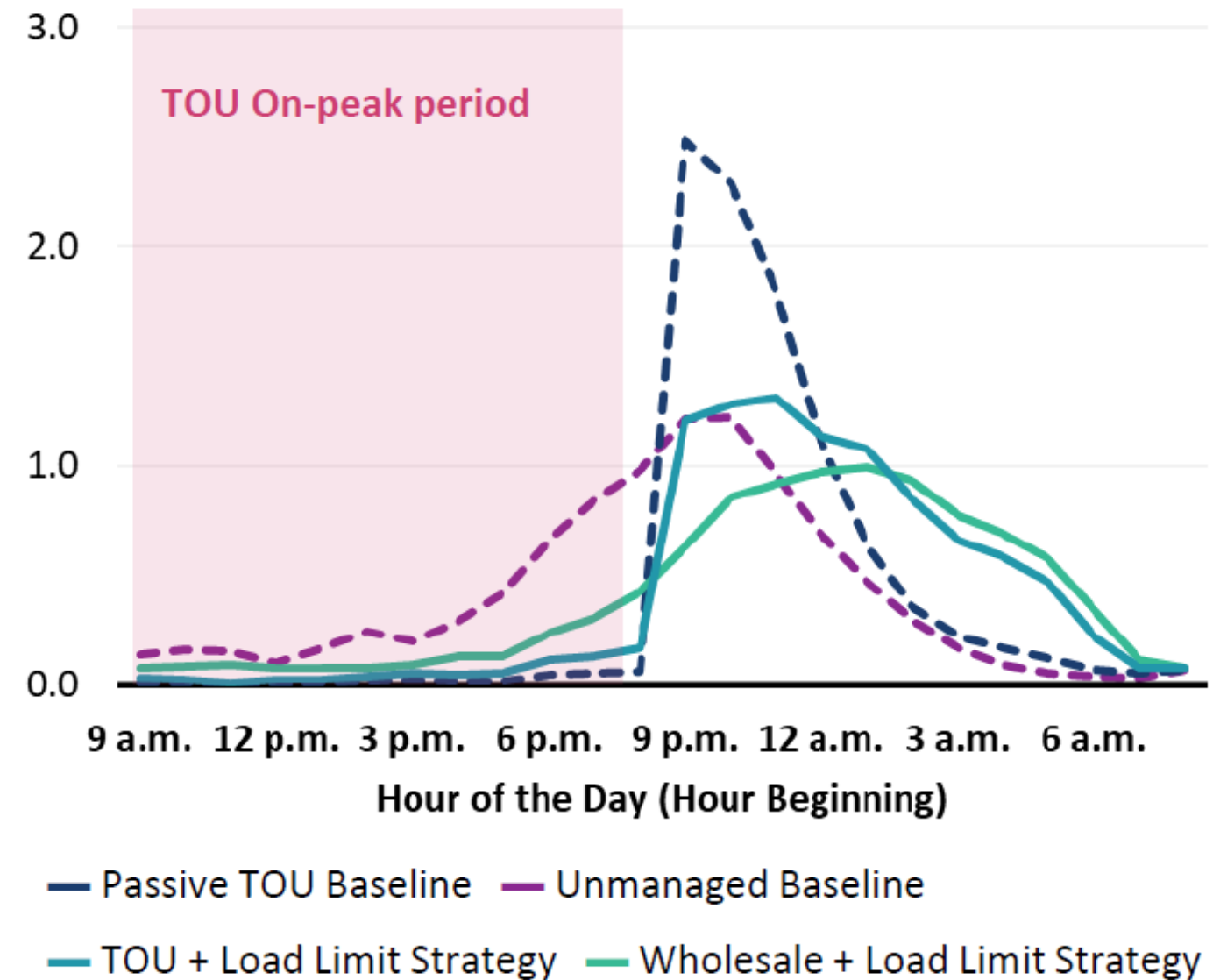
Setting Up Programs for Long-Term Value

- Utilities face growing pressure to launch managed charging and V2X programs quickly.
- Managed charging delivers measurable grid and cost benefits (off-peak load shift, peak demand reduction, deferred infrastructure investment).
- The catch: technology choices made early in program design can be a factor in whether that value is ever realized.

"Demonstrating the Full Value of Managed Electric Vehicle Charging", Brattle Group/Energyhub, January 2026

AVERAGE DAILY CHARGING LOAD SHAPE UNDER EACH CHARGING STRATEGY

Avg. kWh per EV across 58 EVs



QUICK POLL · 01

In one word or short phrase, what would success look like for managed charging in your organization?

Head to Slido – first thing that comes to mind.



The risk of getting it wrong



Vendor lock-in

Selecting equipment without understanding communication standards can lock a program into a narrow set of vendors.



Data you can't trust

Inconsistent data undermines program measurement, reporting, and trust.



Uneven security

Inconsistent security practices across vendors create exposure for a grid-connected program.

SECTION 02

Let's hear from Con Edison

Michael Badeski · Section Manager, EV Strategy



SECTION 03

How OCPP 2.0.1 Delivers Interoperability, Visibility, and Trust



What is OCPP, and who governs it



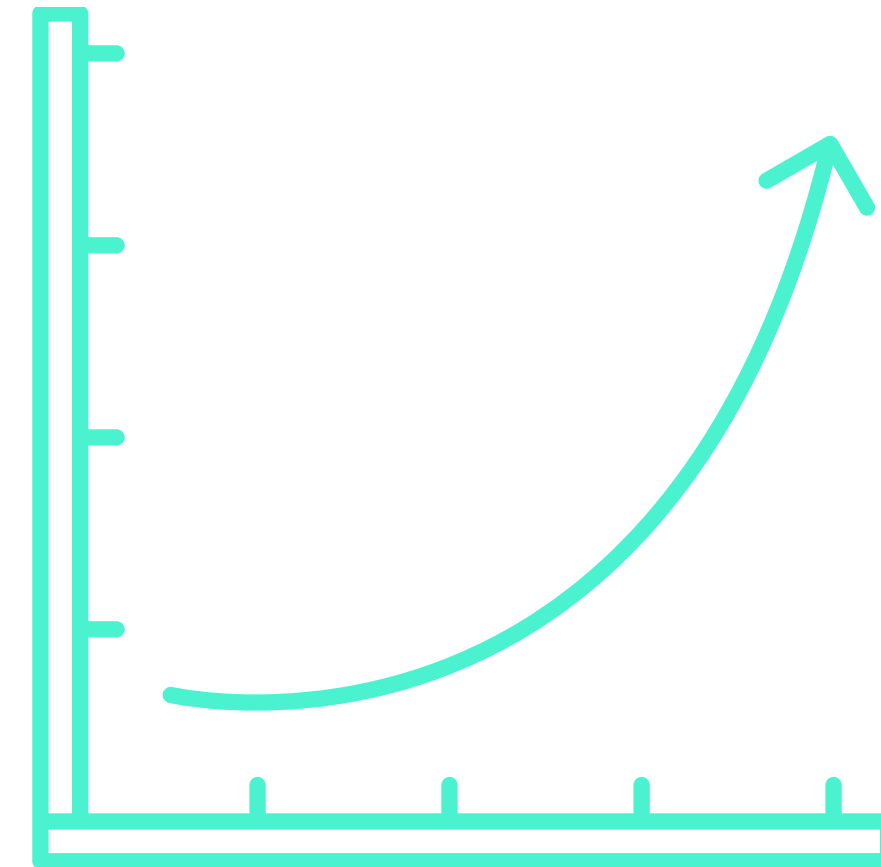
- Open Charge Point Protocol (OCPP) is the shared language between charging stations and management systems
- Governed by the Open Charge Alliance (OCA), a nonprofit foundation, founded 2014 under Dutch law, holds the OCPP copyrights, drives certification
- Developed over 15 years of field experience, considered a global industry standard



A word about Certification: OCA's certification program independently tests a product against the standard, optimal over the 'OCPP-compliant' claim

Why standards matter for market growth

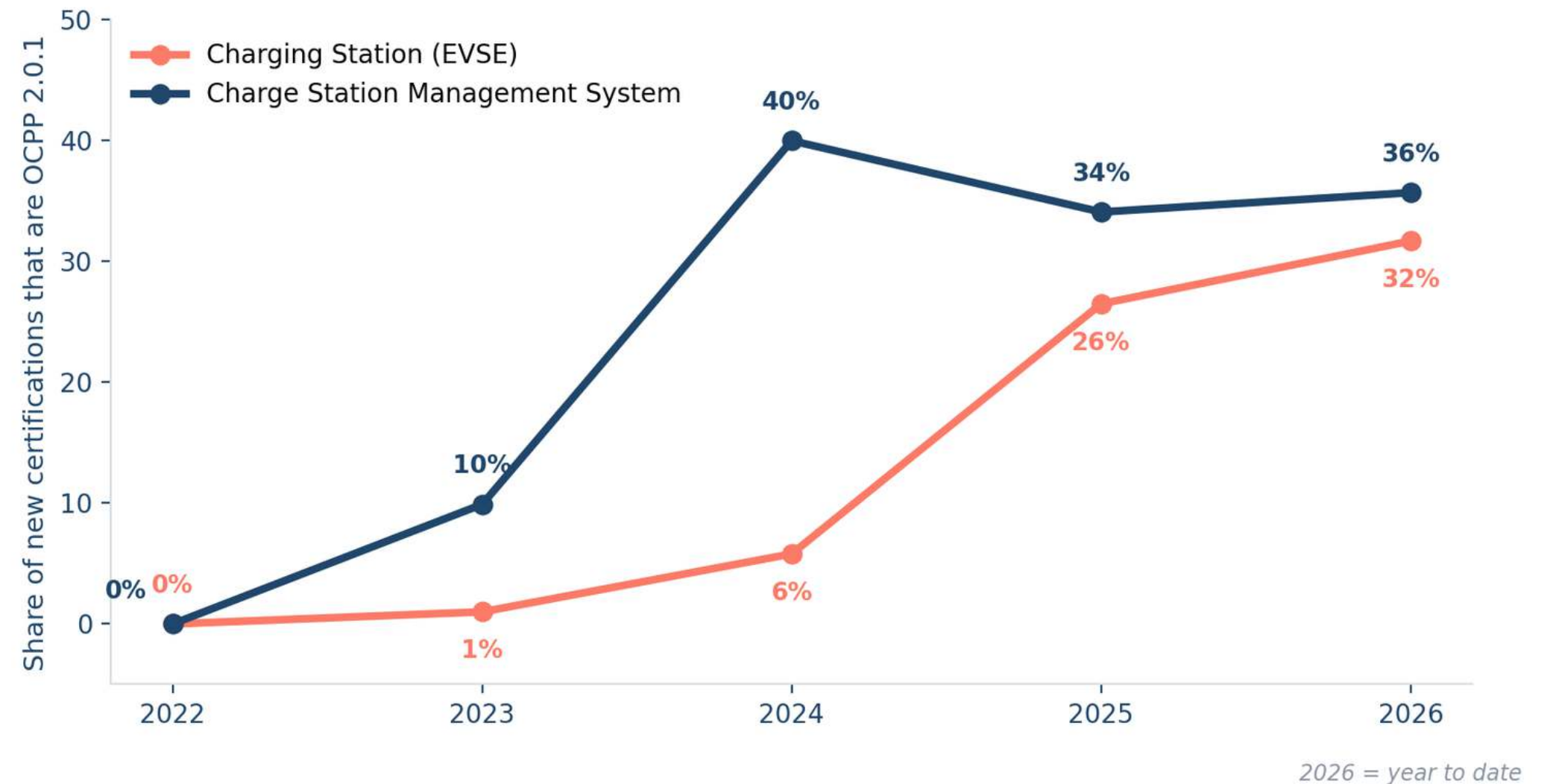
- Standards **lower the barrier to entry** for new vendors, encouraging competition
- Without standards, the industry risks proprietary fragmentation that restricts the ability to leverage charging infrastructure flexibility for smart grid management
- Choosing OCPP certified equipment plugs a utility's program into a growing, competitive ecosystem instead of a shrinking proprietary one



OCPP 1.6 vs 2.0.1

- 1.6 is popular but 11 years old
- 2.x series addresses several challenges that are essential for utilities: smart charging coordination, enhanced security, and others
- Industry needs encouragement to move beyond 1.6

OCPP 2.0.1 Is Gaining Share of New Certifications



QUICK POLL · 02

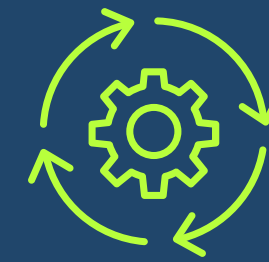
Which concerns you
most right now when
you think of your
managed charging
programs?

Rank order the options in Slido.



Interoperability by Design

- **Standardized messaging** means a program is not locked into one vendor's proprietary commands.
- Lower barrier to participation: customers aren't forced to replace an existing charger or buy a specific brand just to qualify for a program
- Managed charging today is coordinated through very different mechanisms like third-party aggregators, EV OEM clouds, utility-direct signals requiring more sophisticated coordination as the volume increases



OCPP 2.0.1's Smart Charging functional block **standardizes how multiple actors can issue charging instructions** without conflicting signals



OCPP 2.0.1 and 2.1 also provide standardized messaging for ISO 15118-2 and -20, **extending interoperability from the CSMS down to the vehicle itself** (e.g., Plug & Charge)

Visibility, security, and what's next

- A shared data model (e.g. metering, reporting/monitoring) gives programs a consistent way to see charger status and performance.
- **Consistent, trustworthy data** ensures customers are credited accurately and on time for program participation (bill credits, rebates, session records).
- **Security is a built-in** functional block (TLS, certificate management, secure firmware) .



These foundations extend further in OCPP 2.1. This includes bidirectional functions, treating the charging station as a grid resource for services like peak load management (DER Control); so a program built on OCPP 2.01 today has room to grow.

QUICK POLL · 03

What charging station capability still needs the most standardization or testing rigor to ensure consistent field performance?

Type your answer in Slido.

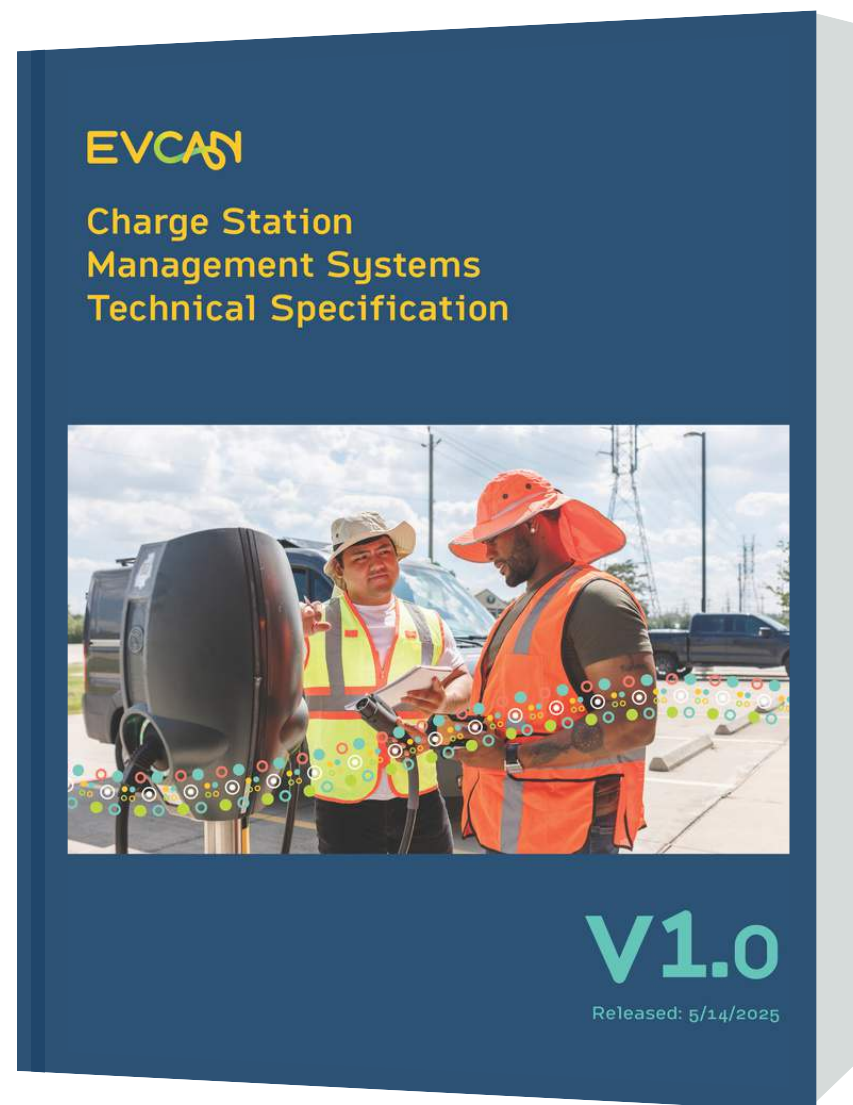


SECTION 04

EVCAN Technical Specification & QPL



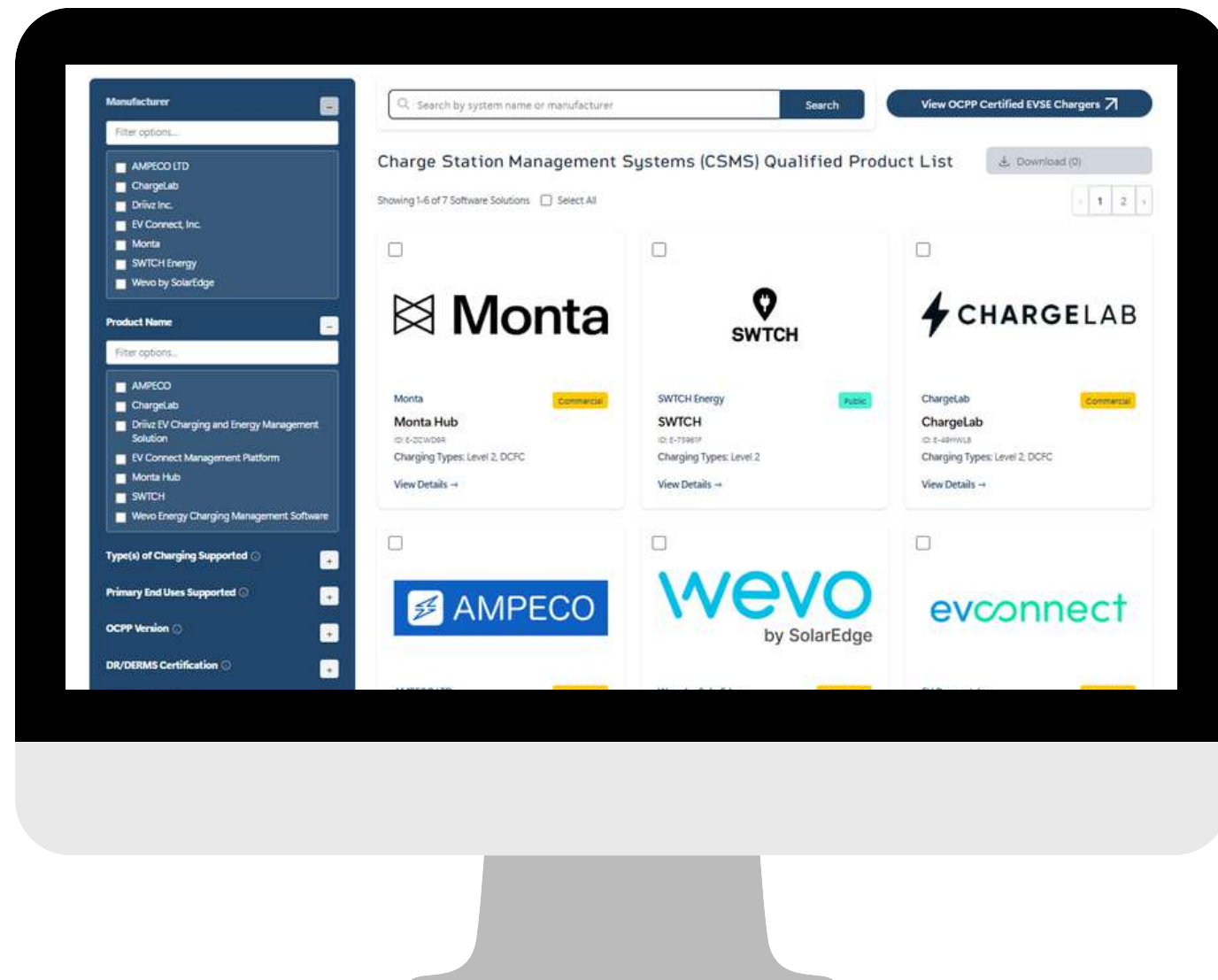
The EVCAN Technical Specification



- OCPP certification, administered by OCA, is the formal tool for validating that a product actually conforms to the standard
- EVCAN's Technical Specification is a shared language for minimum and optional technical criteria to operationalize smart charge management

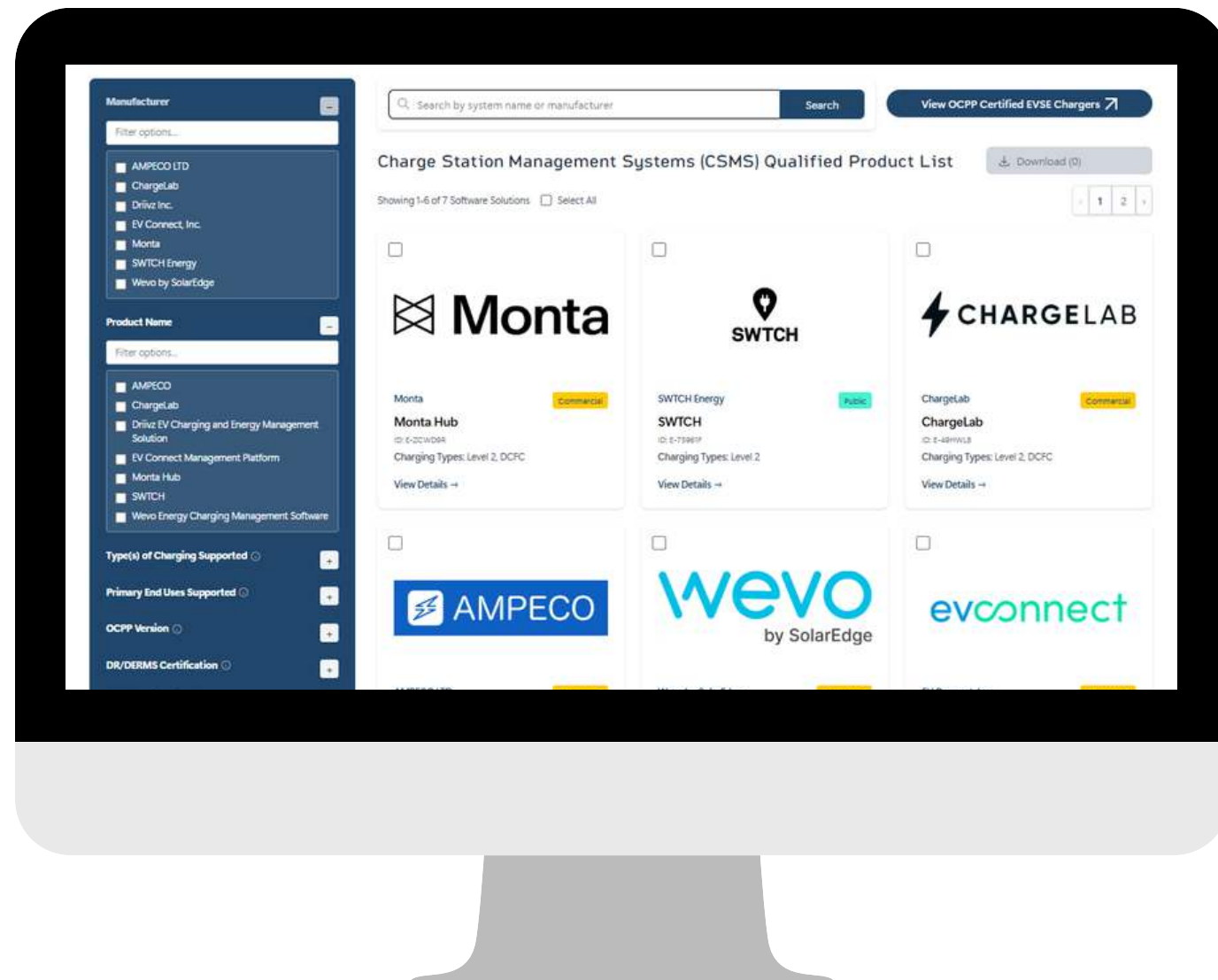
evcan.org/manufacturers-nsps/specifications/

The QPL: What It Is & How It Works



- A trusted source of charge station management systems evaluated for charge management best practices and standards conformance.
- Product type and capability filters, quick search, quick download of evaluated product information.
- Easily screen for use-case features (e.g. power type, payment authentication)

EVCAN QPLs for Chargers and Backend Management Systems



- CSMS QPL is online and expanding.
- EVSE Charge List – Immediate support to screen for hardware that is OCPP certified, plan to expand capabilities evaluation from here.

Applying the QPL to Program Design



New program design

Build QPL reference into technology selection criteria from day one.



Program updates

Use the QPL to reassess vendors as programs evolve.



RFP eligibility criteria

Require QPL-listed conformance, especially for commercial EV program offerings.

Recap

- 01 OCPP 2.0.1 solves challenges with communication fragmentation, data consistency, and security for managed charging.
 - 02 Standards adoption itself drives a healthier, more competitive market lowering barriers to entry, offering more choice for programs.
 - 03 The EVCAN Technical Specification operationalizes conformance; the QPL can turn it into a practical filter for program design and RFPs.
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SECTION 05

Q&A



Thank You

GET IN TOUCH

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Michael Badeski, BadeskiM@coned.com

RESOURCES

evcan.org/manufacturers-nsps/Specifications/

evcan.org/access-the-qpl/

evcan.org/ocpp/

openchargealliance.org

openchargealliance.org/ocpp-info-whitepapers/migrating-charging-stations/

