



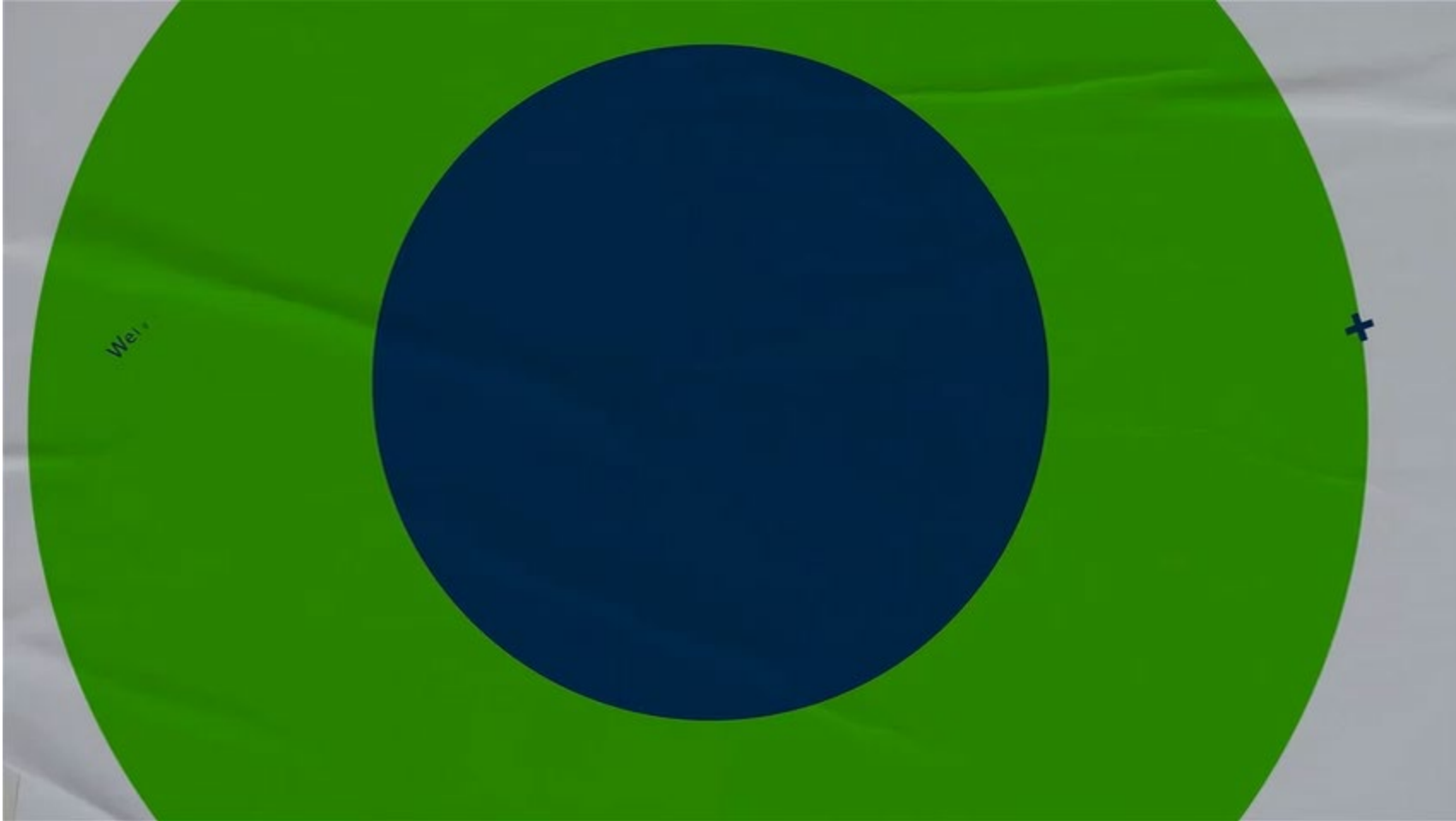
Weights & Measures Division

October 15, 2025

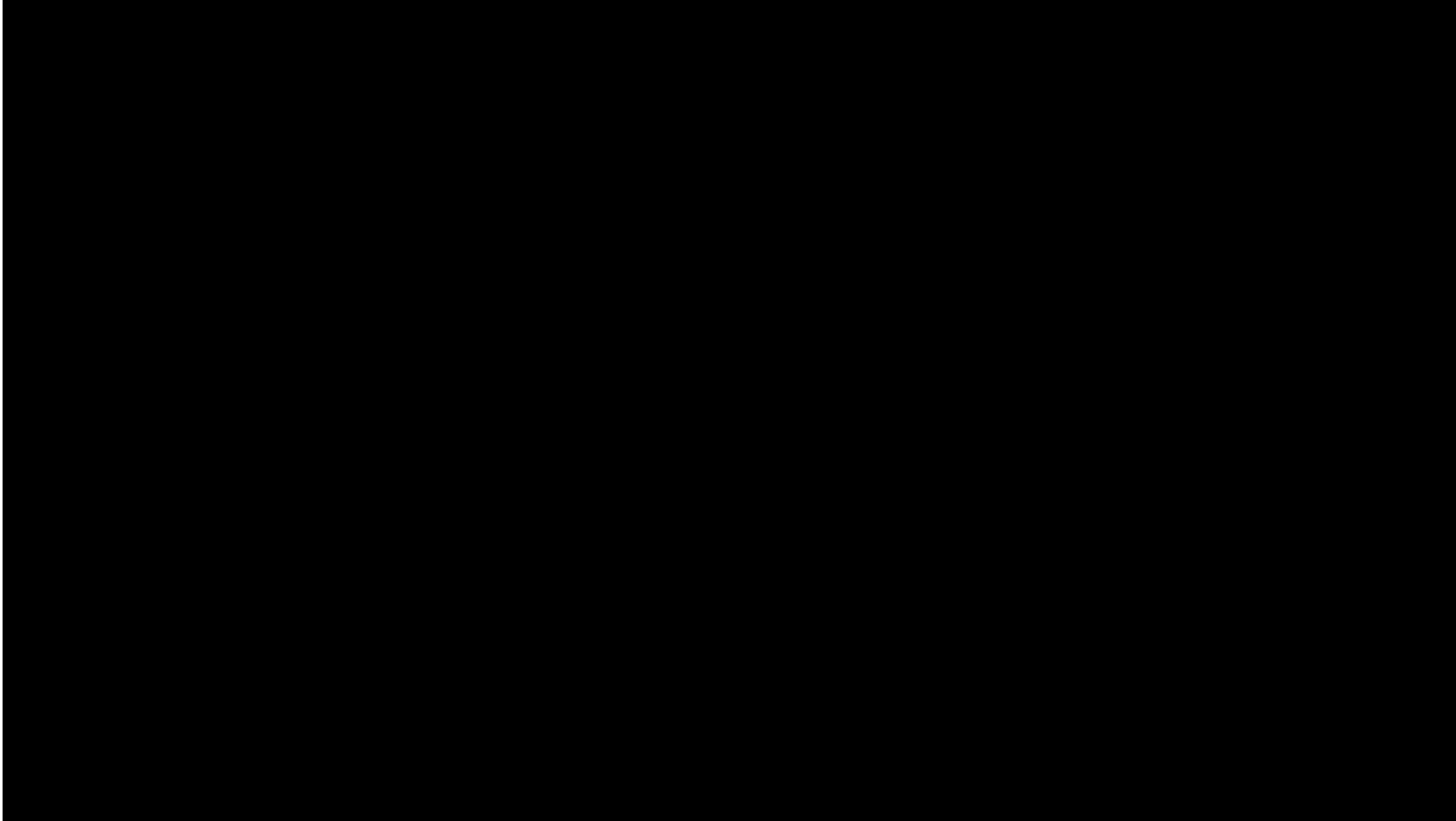
Mission and Core Purpose



What Weights and Measures Does



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Petroleum Lab & Fuel Quality Standards



- Product quality and compliance with ASTM Specifications.
- Compliance with Biofuel Mandates outlined in MN 239.
- Consumer and business protection by identifying contaminated petroleum products and removing from sale.

Metrology Lab & Traceable Standards

- Maintains traceable standards for mass and volume.
- Standards are traceable to the International Prototype of the Kilogram maintained by International Bureau of Weights and Measures (BIMP) in France through National Institute of Standards and Technology (NIST). This traceability ties all measurements made around the globe to one standard.
- Supports accuracy of commercial devices by certifying standards used in the field, and the standards used by other State Metrology Laboratories.



Why EVSEs and W&M

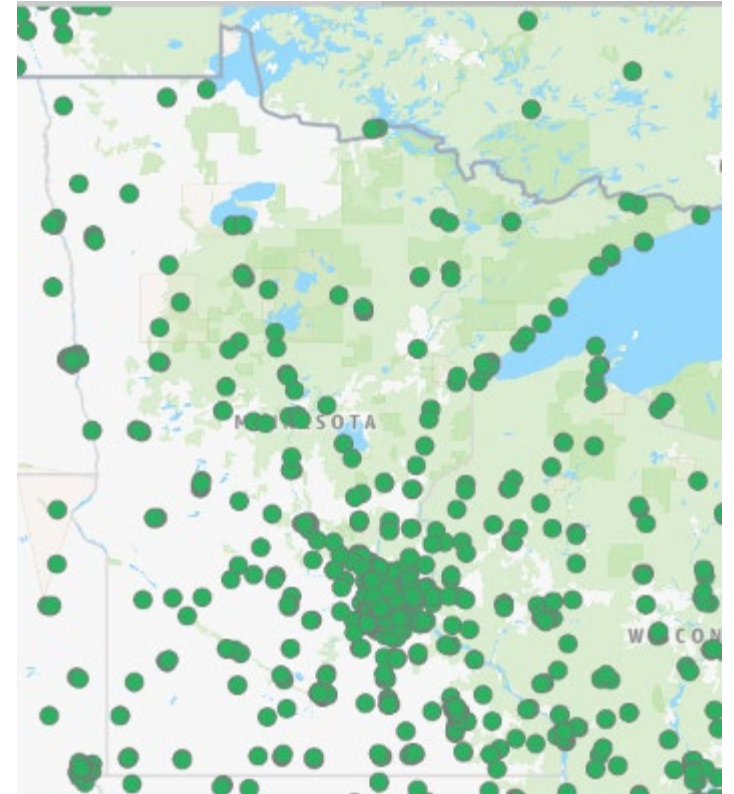
Electricity sold as a transportation fuel = commercial measurement transaction.

kWh is the new 'gallon' and subject to the same fairness principals.



Current Landscape in Minnesota

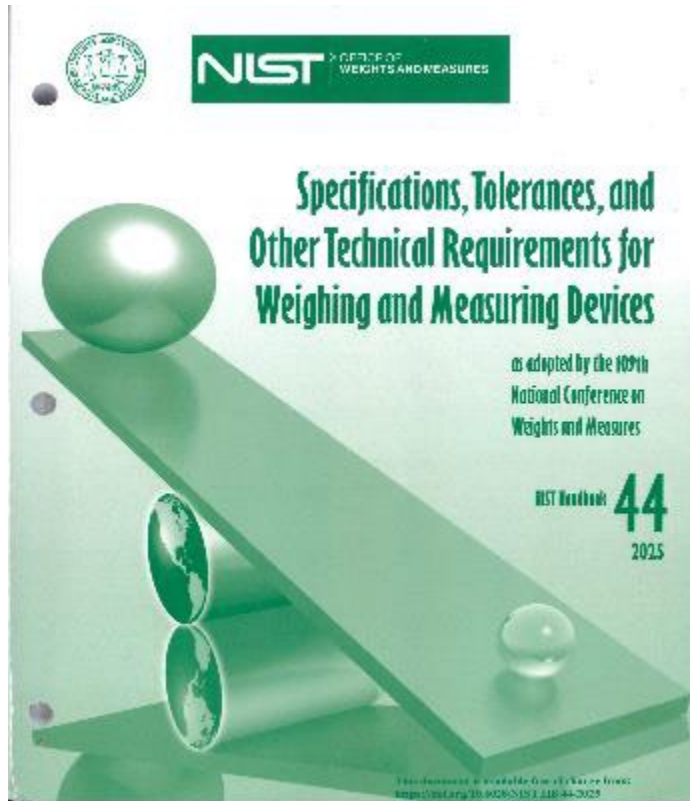
- Rapid infrastructure growth: 30% increase in ports since the Department original proposal.
- Now over 2,770 charging ports at 1,031 locations statewide.



Retail Electric Vehicle Supply Equipment

Minnesota Statute § 239.90

- **Sets definitions** - Electric vehicle supply equipment or EVSE, Electricity sold as vehicle fuel, Fixed service, Nominal power and Variable service.
- **Creates a program account** - Funds the inspection program with \$100 fee per port inspected.
Fees collected via inspection will go to a special revenue fund and appropriated to the Department to pay operations of this program.
- **Establishes method of sale** - Kilowatt-hour unit.
- **Establishes uniform labeling and advertising** - Establishes how the label, advertising and sign prices should be shown to consumers.
- **Allows for administrative rulemaking** - Incorporate the 2025 version of NIST Handbook 44.



- National model standards for measurement devices since 1949.
- Defines test procedures, tolerances, manufacturing specifications and user requirements.
- Revised annually by the National Council on Weights and Measures and NIST.

- Protect Consumers and businesses in building trust in EV charging.
- Ensure consistent and fair marketplace practices.
- Provide clear regulatory expectations for industry.
- Align Minnesota with national standards and best practices.



Challenges Ahead



- Resource and workforce development needs.
- Locating devices and establishing ownership.
- Coordinating inspections across the state.
- Rapidly evolving technology and standards.
- Balancing enforcement with market innovations.

Questions? Thank You!

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