Sustainability & Resilience Task Force Meeting

July 10, 2023

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Today's Agenda

1. Welcome and Announcements

2. A Few Updates

3. A Discussion of IBTTA's Climate Action Principles
   - Update on Activities with IBTTA Board and ASSECAP
   - Where Things Stand
   - Next Steps

4. 2023 Task Force Working Groups

5. Other Discussion

Upcoming Events

Webinar
July 13
BUILT FOR SPEED! MAXIMIZING YOUR FIBER NETWORK INVESTMENT BEYOND TOLLING

MAINTENANCE, ENGINEERING, & ROADWAY OPERATIONS WORKSHOP
July 30- August 1, 2023
Nashville, TN

2024 CONFERENCE PLANNING MEETING
September 7, 2023
Zoom Meeting

91st ANNUAL MEETING & EXHIBITION
October 7-10, 2023
Seattle, WA

ATHENS
GREECE

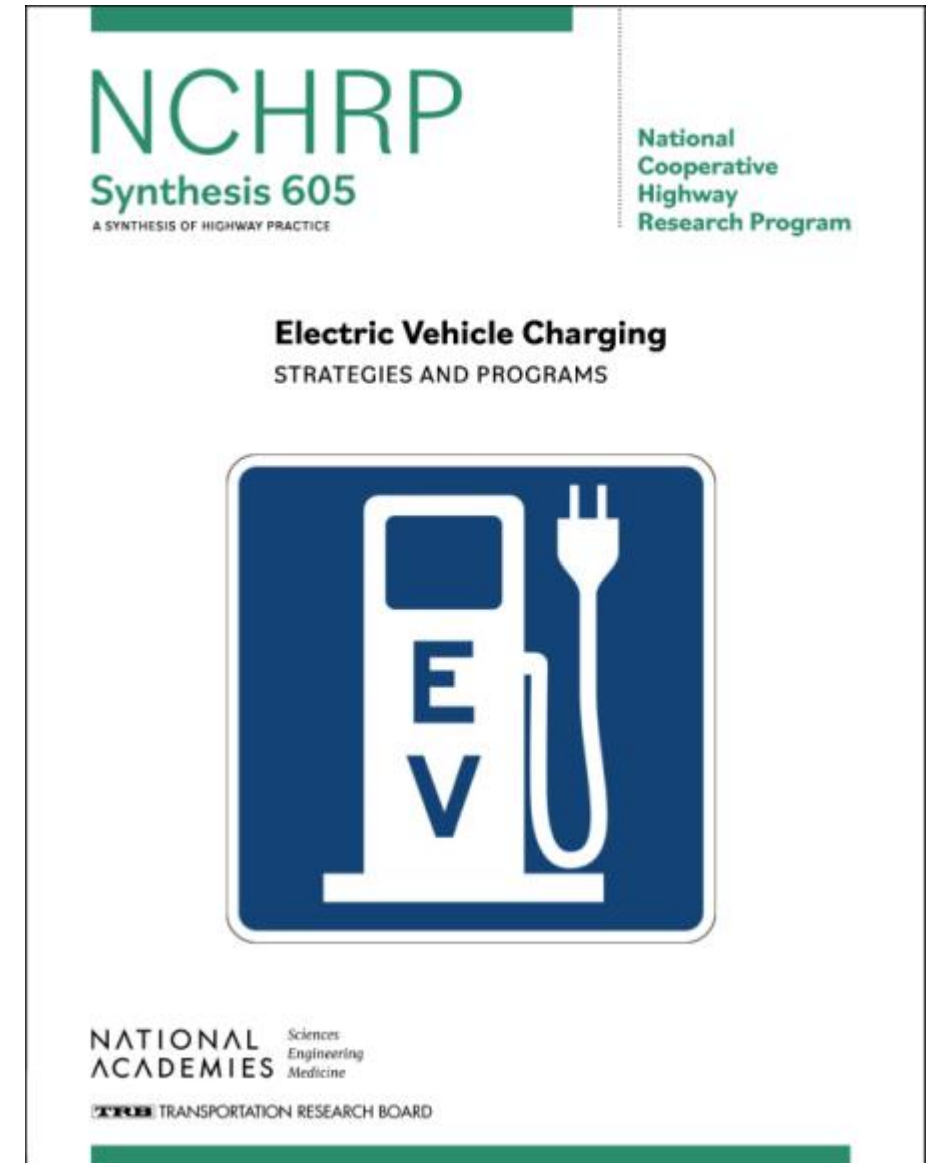GLOBAL TOLLING SUMMMIT
November 12-14, 2023
Athens, Greece

TRB Report Summarizes State EV Strategies

State departments of transportation (DOTs) are working to deploy electric vehicle (EV) charging infrastructure, but face challenges and need guidelines to help with deployment.

NCHRP Synthesis 605: Electric Vehicle Charging: Strategies and Programs

- current State DOT strategies and practices to provide and operate EV charging facilities;
- DOTs' plans to address the future maturity of EV charging, e.g., prep for medium- and heavy-duty vehicle electrification.
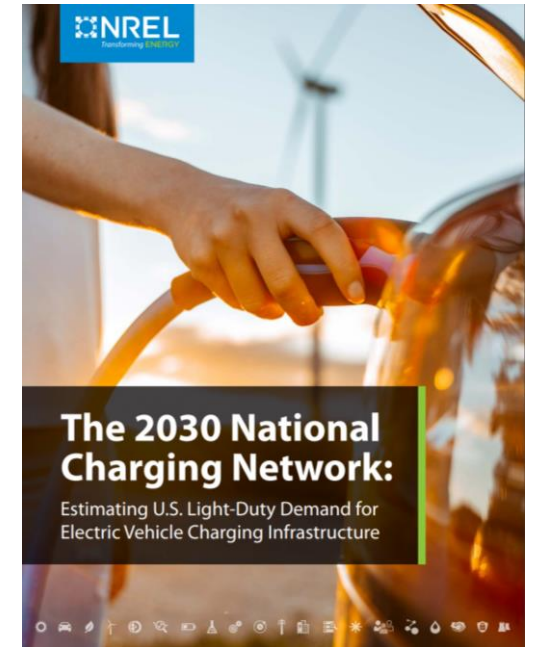
Framework for EV Charging Infrastructure

https://driveelectric.gov/files/2030-charging-network.pdf

New National Renewable Energy Laboratory (NREL) report o serve as a framework for nationwide electric vehicle (EV) charging infrastructure.

Accounts for regional variables (e.g., weather, travel behavior, housing, demographics, trip purpose, etc.) that affect demand.

Key Findings:

- Home charging core to ecosystem but must be complemented by public fast charging to enable long-distance travel, ride-hailing services, and charging for those without residential access.
- A balance of charging types and locations is needed. The 2030 network requires ~ 1.2 M public charging ports and 26.8 M private ports.
  - o   182 K public fast charging ports for long-distance trips, ride-hailing, and those w/o residential charging;
  - o   1 M Level 2 public charging ports in high-density areas, offices, and retail locations;
  - o   26.8 million Level 1 and Level 2 ports at private locations (homes, multifamily properties, and workplaces).
- Continued investment is required.

ESG Disclosure Standards

International Sustainability Standards Board (ISSB) announced standards for sustainability and climate-related disclosures.

- Set to take effect in Jan. 2024.
- Call for disclosures on GHG emissions and other metrics
  - Detailing risks to climate and plans for the green transition
- Requires companies disclose scope 1, 2 and 3 emissions, including financed emissions but excluding those stemming from underwriting, advisory services, or securitization.
- Certain relief measures have been offered to ease the transition.

https://www.ifrs.org/news-and-events/news/2023/04/issb-decides-to-prioritise-climate-related-disclosures-to-support-initial-application/?utm_medium=email&utm_source=website-follows-alert&utm_campaign=immediate

The ISSB has set out four key objectives:
1. to develop standards for a global baseline of sustainability disclosures;
2. to meet the information needs of investors;
3. to enable companies to provide comprehensive sustainability information to global capital markets; and
4. to facilitate interoperability with disclosures that are jurisdiction-specific and/or aimed at broader stakeholder groups.
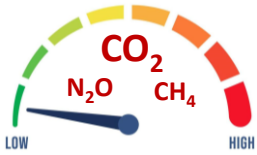
IBTTA's Focus on Climate Action Principles

- Focus on mobility, not just roads.
- Multimodal solutions are an essential ingredient to meaningful climate action and will bring more stakeholders to the conversation.
- Be evolutionary, not revolutionary.
  - Large projects are not always essential or necessarily preferred.
  - Small incremental steps are effective, achievable, and help change organizational culture.
- Highlight examples and practical actions.
  - These are often persuasive and replicable.
- Communicate and educate.

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Proposed Focus Areas

Decarbonize

Decarbonize operations and business practices; establish customer choices that reduce greenhouse gas emissions.

Resilience

Bolster infrastructure resilience and organizational readiness for future conditions and risks.

Proposed Supporting Activities

Measurement

Measure existing conditions to formulate action plans and monitor performance.
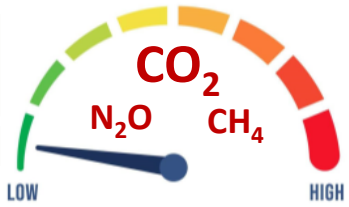

Partnership

Broaden collaboration and seek new and non-traditional partnerships.

Social Impact

Increase awareness and decision criteria around social impact.

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Why It's Important?

- Mainstreaming decarbonization in all decision-making can accelerate emissions reductions.
- Effective decarbonization must extend across business areas (e.g., operations, construction, materials, & procurement).
- Adopting low carbon materials, circular economy concepts, alternative fueling and charging investment, and emissions reductions from construction require greater attention.
- Tolling/pricing may create incentives for adoption/conversion to LEVs/ZEVs.

Possible IBTTA Actions

A. Develop guidance, case studies, best practices, business case analyses, and implementation guides.

B. Promote understanding and awareness of decarbonization throughout the supply and value chains.

C. Listen and solicit input and viewpoints from those who recognize social impact as it relates to sustainability.

D. Broaden collaboration and seek new partnerships.

Resilience

Why It's Important?

- Resilience depends on risks to facilities and operations.
- Risk analysis is a key tool to set priorities, make tradeoffs, and invest wisely.
- Today's infrastructure designs reflect historic conditions, but not equipped for the intensity and frequency of future events.
- New risks: extreme precipitation levels, extreme temperatures, sea level rise, along with natural disasters.
- Emergency management preparedness and sophistication is essential.

Possible IBTTA Actions

A. Promote widespread understanding of the need to incorporate resiliency criteria into infrastructure investment and design decisions based upon structured risk evaluations.

B. Ensure IBTTA members are aware of the best-in-class response and recovery practices during extreme events and effective business resumption actions.

C. Identity resilience measurements to enhance the effectiveness of decisions through all aspects infrastructure management including engineering, construction, operations, and management.

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Measurement

We cannot manage or improve, what we cannot measure.

- Knowing the starting point for helps target setting, benchmarking, performance tracking, and outcome reporting.

- Data and measurements drive effective decision-making and compelling storytelling for communication.

- Fact-based approaches instill credibility, transparency, accountability, visibility, and support.

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Partnership

- Sustainability and resilience is a large interest area. Relying on expertise of others helps bring the most vital information to the forefront.

- Attract expertise to increase engagement and develop the right relationships.

- Collaboration helps bring mobility solutions forward at a network level.

- New partnerships for toll organizations will drive successful outcomes (e.g., the energy sector).
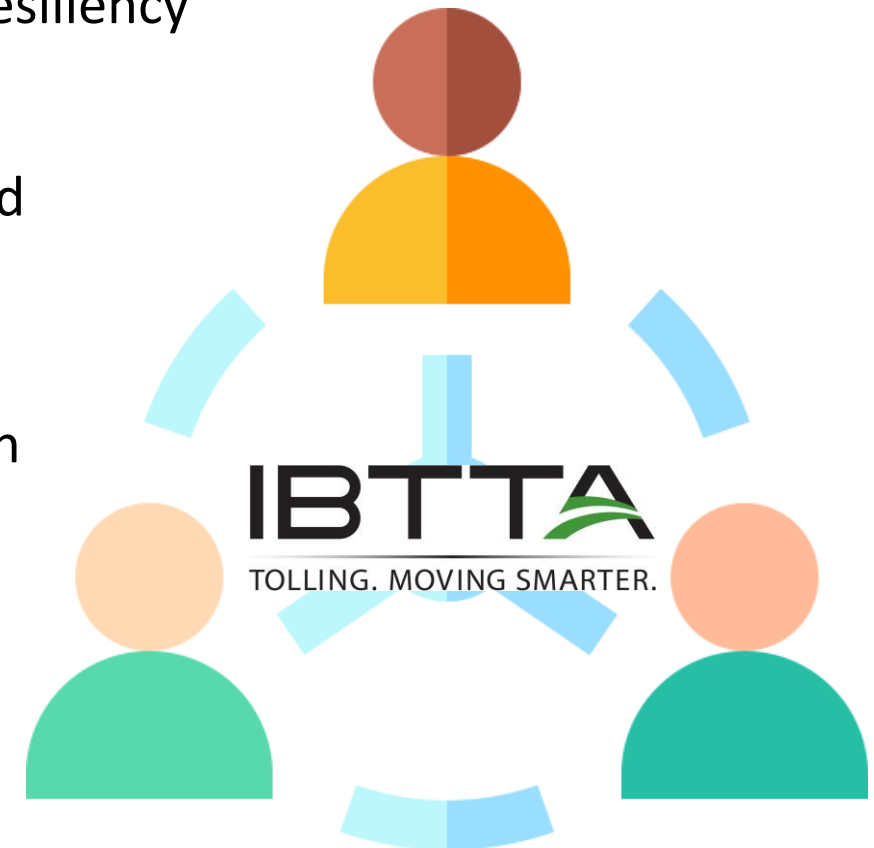
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Social Impact

- Social impact is an important pillar of sustainability.

- The "triple bottom line" emphasizes sustainability for people, environment, and the economy.

- Best practice recognizes the well-being of people in local communities, within regions and states, etc.

- IBTTA values listening and inclusion of viewpoints from all to understand equity and social impacts.

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Collaboration within the IBTTA Community

- Council of Platinum Sponsors' Procurement Working Group
  - o Introducing sustainability goals as a part of procurement decision criteria
- Engineering and Construction Task Force
  - o Asset management, design & construction standards, resiliency
- International Committee
  - o International and global partnerships, best practices and case studies
- Emerging Technologies Committee
  - o Big data, smart cities/mobility, AI/ML, relationships with technology vendors and advisors
- Government Affairs Committee
  - o Legislative and regulatory matters
- Diversity Equity & Inclusion Task Force
  - o Equity and Social Impacts

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Next Meetings:
- *August 7, 2023, 11am EDT??*
- *Reschedule September 4, 2023 (U.S. Labor Day holiday) to September 14, 2023 for Workshop?*