



**IBTTA**  
TOLLING. MOVING SMARTER.



# Sustainability & Resilience Task Force Meeting

May 8, 2023

# Today's Agenda

1. Welcome and Announcements
2. A Discussion of IBTTA's Climate Action Principles
  - Background
  - Guidelines for Action Planning
  - Proposed Focus Areas
  - Potential IBTTA Actions
  - Schedule and Next Steps
3. 2023 Task Force Working Groups and Assignments (*as time permits*)
4. Other Discussion



# ROAD USAGE CHARGING & FINANCE SUMMIT

June 4-6, 2023, 2023  
Salt Lake City, UT

## Upcoming Events

**IBTTA**  
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**ISFO**

4th International Symposium on  
Freeway and Tollway Operations

26 - 30 June 2023  
Vienna, Austria

[www.austriatech.at/en/isfo2023](http://www.austriatech.at/en/isfo2023)

# MAINTENANCE, ENGINEERING, & ROADWAY OPERATIONS WORKSHOP

July 30- August 1, 2023  
Nashville, TN

# 91<sup>st</sup> ANNUAL MEETING & EXHIBITION

October 7-10, 2023  
Seattle, WA



**ATHENS**  
GREECE

**GLOBAL TOLLING SUMMIT**  
November 12-14, 2023  
Athens, Greece

# NOFO: PROTECT Discretionary Grant Program



NOFO Available at:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=347585>

For FY22 and FY23, up to \$848 million is available for the PROTECT Discretionary Grant Program.

## Discretionary Grant Program Availability:

- **Planning Grants** including grants for developing Resilience Improvement Plans
- **Resilience Improvement Grants** for assets to withstand extreme events or to increase resilience
- **Community Resilience and Evacuation Route Grants** that strengthen and protect evacuation routes
- **At-Risk Coastal Infrastructure Grants** enhance the resilience of highway and non-rail infrastructure

## Eligible Projects:

- Highways
- Public transportation
- Intercity passenger rail passenger
- Ports

## Eligible Entities:

- States, MPOs, local governments
- special purpose districts / public authorities
- multi-State or multi-jurisdictional group entities
- Tribes & Federal land management agencies

## Upcoming Webinars:

Monday, May 8, 2023 from 1-2 PM ET

### **Registration Link:**

[https://usdot.zoomgov.com/webinar/register/WN\\_wpq8qcrVQz67DqdjPCar1A](https://usdot.zoomgov.com/webinar/register/WN_wpq8qcrVQz67DqdjPCar1A)

Thursday, May 11, 2023 from 1-2 PM ET

### **Registration Link:**

[https://usdot.zoomgov.com/webinar/register/WN\\_nvoQgZCFTwCWdS\\_FYTH5kg](https://usdot.zoomgov.com/webinar/register/WN_nvoQgZCFTwCWdS_FYTH5kg)

# IBTTA's Focus on Climate Action Principles

IBTTA's Executive Committee has endorsed the importance of establishing a statement of principles on global climate action. We seek to have IBTTA's principles address:

- The need for serious deliberations within the IBTTA community and leadership to produce our own set of principles.
- The need for substantive action to accompany high-level concepts. We would like IBTTA endorsements to the global climate crisis to be backed with substance.
- A commitment to develop a policy and set of principles in 2023 that we can proudly offer as our views with the international transport community.

# Guidelines for Our Action Planning

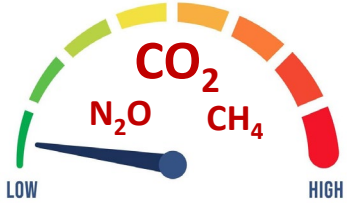
- Keep messaging simple and centered on a few focus areas.
- Focus on mobility, not just roads or even transportation.
  - Multimodal solutions are an essential ingredient to meaningful climate action and will bring more stakeholders to the conversation.
- Large projects are not always essential or necessarily preferred.
  - Small incremental steps are effective, achievable, and help change organizational culture.
- Highlight examples and practical actions.
  - These are often persuasive and replicable.
- Attract expertise to increase engagement and develop the right partnerships.
- Communicate and educate.
  - Ensure a broad understanding of the path forward, by customers, employees, business partners, stakeholders, and the public.

# Four Proposed Focus Areas



## 1. Measure

Measuring existing conditions to formulate action plans and monitor performance.



## 2. Decarbonize

Advance actions to decarbonize operations, business practices and customer choices.



## 3. Resilience

Support efforts to bolster infrastructure resilience and organizational readiness for future conditions and risks.



## 4. Partner

Broaden collaboration and seek new and non-traditional partnerships.



# 1. Measure

## Measuring Existing Conditions to Formulate Action Plans and Monitor Performance

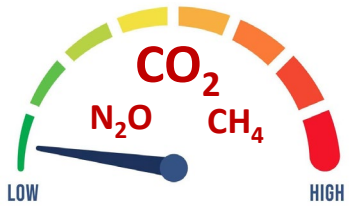
### Why It's Important?

- We cannot manage what we cannot measure.
- Fact-based approaches instill credibility, transparency, accountability, visibility, and support.
- Data and measurements drive effective decision-making.
- Knowing the starting point for helps target setting, benchmarking, performance tracking, and outcome reporting.
- Data helps compelling storytelling for communication.

### Possible IBTTA Actions

- A. Guidance/Instruction: Sustainability Data and Performance Measures.  
*Documentation, case studies, best practices, and implementation guides.*
- B. Delivery Methods:  
*Offerings via IBTTA's online resource library, webinars, and podcasts; also, at in-person sessions at IBTTA meetings and other industry conferences.*
- C. Initial Proposed Topics:  
*Establishing a greenhouse gas inventory; developing key performance indicators and target setting; leveraging performance measurements in setting priorities, evaluating tradeoffs, and allocating resources.*





## 2. Decarbonize

### Advance Actions to Decarbonize Operations, Business Practices and Customer Choices

#### 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. Demand Management & Traffic Management  
*Efficiency - congestion pricing, priced managed lanes, distance-based road charging to reduce emissions*
- B. Electric Vehicle Adoption & Transition Programs -  
*Agency fleet conversions; pricing practices*
- C. Procurement – *awareness/adoption of sustainability goals as a part of procurement decision criteria*
- D. Transportation Asset Management - *ROW use to reduce emissions; renewable energy on existing assets; alt. fueling and charging infrastructure*
- E. Construction - *Benefits of: Sustainability standards (LEED, Envision); sustainable construction requirements (low-carbon concrete, low-emission construction vehicles, construction waste reduction); Environmental Product Declarations (EDP) to manage lifecycle impacts.*



## 3. Resilience

### Support Efforts to Bolster Infrastructure Resilience and Organizational Readiness for Future Conditions & Climate Risks

#### 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.
- Infrastructure designs reflect historic conditions, but not equipped for the intensity and frequency of future events.
- New risks: extreme precipitation levels, sea level rise, extreme temperatures, along with natural disasters (wildfires, earthquakes).
- Emergency management preparedness and sophistication is essential.

#### Possible IBTTA Actions

- A. Asset Management and Capital Programming - *Integrate climate into asset management programs and capital investment decisions*
- B. Risk Analysis and Assessment - *Adopt risk analysis to assess vulnerability, likelihood, and impact of asset disruption or loss.*
- C. Project and Design Standards - *Consider new standards for resiliency (e.g., project siting, designs, and materials) capable of withstanding future conditions.*
- D. System Redundancy - *Add redundant facilities and services (alternative routes and modes)*
- E. Emergency Management - *Promote critical success factors to improve emergency management.*



## 4. Partner

### Broaden Collaboration and Seek New and Non-Traditional Partnerships

#### Why It's Important?

- Sustainability and resilience is a large interest area. Relying upon expertise of others will help IBTTA bring the most vital information to members.
- Collaboration helps bring mobility solutions forward at a network level.
- Attract expertise to increase engagement and develop the right relationships to make a difference.
- New and non-traditional partnership for toll organizations will be important for success outcomes (e.g., the energy sector).

#### Possible IBTTA Actions

- A. International and Global Partnerships - *IBTTA MOU with ASECAP; explore relationships with others (IRF, Global Reporting Initiative, UN Global Compact, World Bank, etc.)*
- B. Transportation Organizations Across Modes and Jurisdictions - *AASHTO, ARTBA, APTA, AMPO, TRB, etc.) Seek supporting resources from the U.S. EPA.*
- C. Energy Sector - *Explore synergies with energy companies, public utilities, vendors advancing vehicle electrification/ charging infrastructure. Investigate relationships with foundations on clean and renewable energy including the Energy Foundation (MacArthur), the Rockefeller Foundation (Power and Climate).*
- D. Academia and Research Organizations



# Collaboration within the IBTTA Community

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



# Climate Actions Principles: Proposed Schedule and Next Steps

- May 8 - Discussion and input on focus areas and IBTTA Actions with S&R Task Force
- Mid-May - Draft Climate Actions Principles document (*Co-Chairs and IBTTA staff*)  
Review by S&R Task Force Editorial Volunteers and full Task Force  
Discussion of draft with IBTTA Board volunteers
- June 3 - Presentation and review with the IBTTA Board of Directors (*Spring Board Meeting, Salt Lake City*)
- June 29 - Presentation of IBTTA program at the ASECAP Suitability Forum, Vienna, Austria (*Pat Jones, Andrew Fremier, Bill Halkias, Rene Moser*)
- July-Oct. - Meetings with IBTTA Committees and Task Forces about collaboration  
Meetings and presentations with stakeholder/partner organizations
- December - Prepare statement to be used following the COP-28 UN meetings in conjunction with other global road sector interests (*11/30/2023-12/12/2023, Dubai, UAE*)

**DISCUSSION**