



Board of Directors Meeting

Approve Membership in Center for Energy Advancement through Technological Innovation (CEATI)

Item 7-14

February 13, 2024

Item 7-14

CEATI Annual Membership

Subject

Approve Metropolitan's annual membership in the Center for Energy Advancement through Technological Innovation (CEATI) in accordance with Administrative Code Section 11202

Purpose

Extend Metropolitan's energy, transmission, and generation knowledge base and enable staff to meet industry challenges more cost-effectively

Recommendation and Fiscal Impact

Recommendation – Approve CEATI membership in the Transmission Planning and Operations interest group

Fiscal Impact – Expenditure of \$27,300 from the O&M budget in annual dues payments

What Is CEATI?

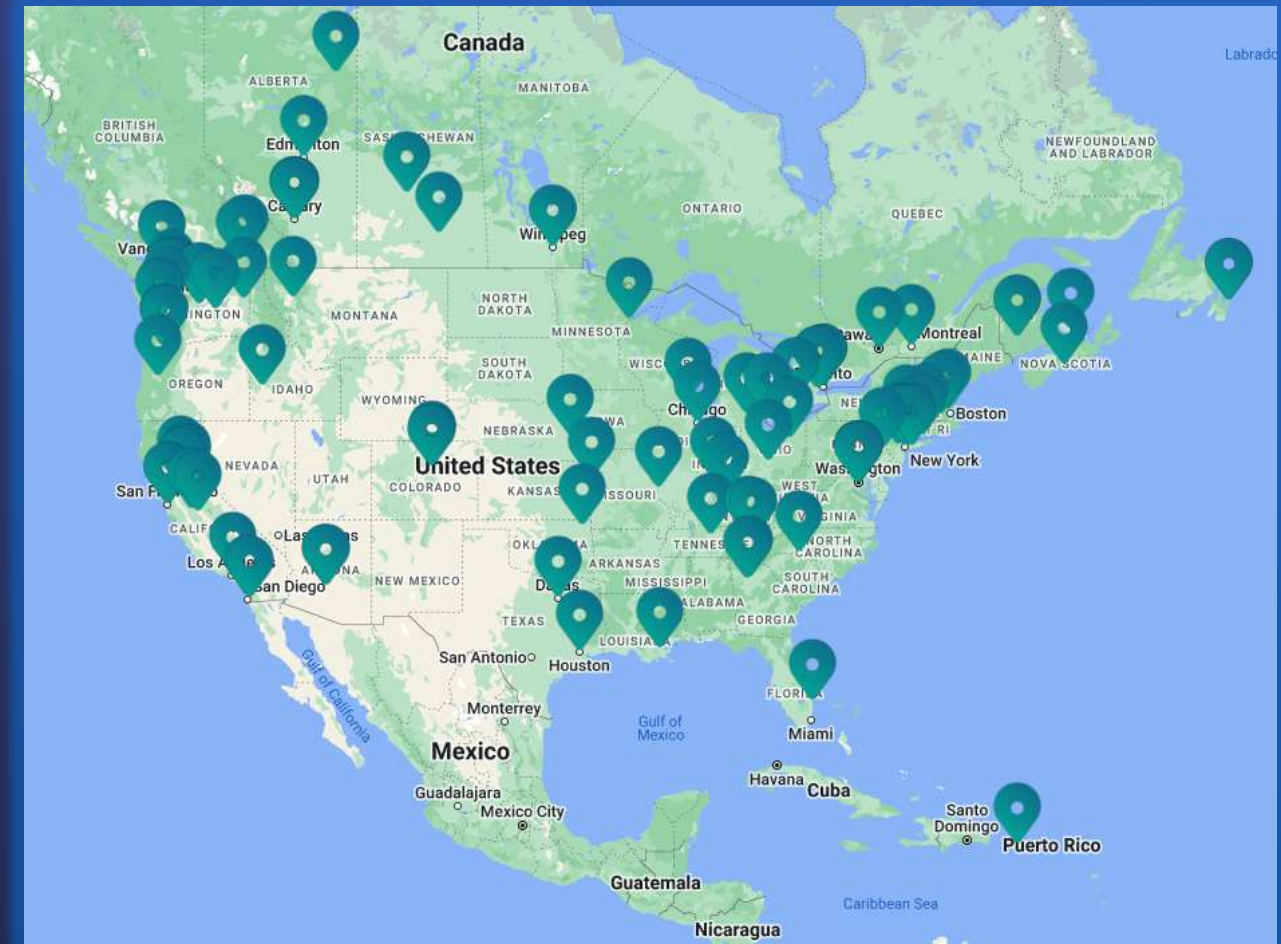
CEATI is a user-driven organization committed to collaboration, innovation, and knowledge exchange

- Closed-door members-only forum
- 200+ member utilities across 5 continents
- 21 interest groups focused on issues spanning critical areas such as power generation, and electric transmission and distribution, asset management, and dam safety
- Participation in CEATI is open to any employee of member organizations

Who is CEATI?

- CA DWR
- USBR
- CAISO
- SCE
- WAPA
- LADWP
- NERC
- PG&E
- EBMUD
- TVA
- USACE
- Denver Water
- USDOE

Worldwide Participation by Major Utilities



Drivers for a CEATI Membership

Environmental, Technological, and Regulatory Changes

Accelerated utility industry transformation presents tremendous new challenges:

- Aging infrastructure
- Impacts of climate change
- Renewable energy & energy storage integration
- Integration of new/emerging technologies
- Increasingly stringent environmental & regulatory compliance obligations

Value of CEATI Membership

Extensive Libraries of Information and Industry Contacts

CEATI membership will allow Metropolitan, with a small staff in electrical system planning, engineering, and operations, to:

- Extend our knowledge base
- Meet challenges cost-effectively

CEATI membership provides access to:

- Extensive library of up-to-date industry reports and survey results
- Network of utility peers facing similar challenges
- Leading-edge industry vendors and consultants

Value of CEATI Membership (cont'd)

Extensive Libraries of Information and Industry Contacts

Example of benefit during trial membership

- Investigating the impacts of pumped storage operation on generation equipment
- Ordinarily would require a consultant study costing \$30k-\$50k and taking 3-6 months
- Metropolitan staff consulted with CEATI members, searched the CEATI database for relevant studies, and completed a thorough analysis in only a few weeks

Board Options

Option #1

- Approve Metropolitan's annual membership in CEATI and annual dues payment of \$27,300 for the Transmission Planning and Operations interest group

Option #2

- Do not proceed with the membership at this time

Board Options

Staff Recommendation

- Option #1

