



Legislation and Communications Committee

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

Item 7-4

May 11, 2026

Presented by: David Wang

Summary

Subject

Approve Metropolitan's extended annual membership in the Center for Energy Advancement through Technological Innovation and annual dues payment of \$68,000 for two additional interest groups, Dam Safety and Asset Management in Generation; the General Manager determined that the proposed action is exempt or otherwise not subject to CEQA

Purpose

Extending Metropolitan's membership in the Center for Energy Advancement through Technological Innovation (CEATI) would provide Metropolitan's managerial and technical staff access to a significant library of operational and technical research in the areas of asset management in generation and dam safety

CEATI Membership Authorization

Current Action

- Approve Metropolitan's extended annual membership in the Center for Energy Advancement through Technological Innovation and annual dues payment for two additional interest groups, Dam Safety and Asset Management in Generation.
- Authorize annual membership dues of **\$68,000/year**

Metropolitan Participation

Three key interest groups

- Transmission Planning and Operations (existing participant, \$27,100 for 2026)
- Asset Management in Generation (\$34,000/yr)
- Dam Safety (\$34,000/yr)

What Is CEATI?

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

- Closed-door utility-only forum
- 165+ member utilities across 5 continents
- 92% of members renew annually
- 21 interest groups focused on issues spanning all critical areas of asset management, power generation, transmission, and distribution, and dam safety
- Participation in CEATI is open to any employee of member organizations

Drivers for a CEATI Membership

Environmental, Technology, and Regulatory Change

Accelerated utility industry transformation presents tremendous new challenges:

- Impacts of climate change
- Renewable energy targets
- Aging infrastructure
- Integration of new/emerging technologies
- Stringent environmental & regulatory compliance obligations

Value of CEATI Membership

Leverage 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
- Enable us to meet challenges cost-effectively

CEATI membership provides access to:

- A library of wealthy industry up-to-date reports and survey results
- A network of the utility peers that are facing similar challenges
- Leading-edge industry vendors and consultants

Worldwide participation in Power System Operations and Planning (PSPO) (20 members)

Who Are in This CEATI Group?

Alberta Electricity System Operator (AESO)
American Transmission Company (ATC)
BC Hydro
Bonneville Power Administration (BPA)
Chelan County PUD
Con Edison
EPCOR
Electric Reliability Council of Texas (ERCOT)
Exelon
Hydro One Networks Inc.
Hydro Quebec
Los Angeles Department of Water and Power (LADWP)
LS Power
Manitoba Hydro
Metropolitan Water District of Southern California
Nashville Electric
New Brunswick Power
New York Power Authority
PUC Services, Inc.
SaskPower

Benefits of CEATI Membership

Benefits For Power Operations Planning (POP)

- Training for NERC and FERC Standards
- Access to network of peer utilities that face the same challenges and have more experience
- Keep current on new T&D technology and software
- Participate in research on improving system resiliency and sustainability
- Cost sharing arrangement allows each CEATI member to realize the full benefit of research performed by CEATI while funding only a part of the cost

CEATI Providing Value

Diamond Valley Pumped Storage Operation Maintenance Impact

- Determine the maintenance impact of operating Diamond Valley's Wadsworth Pumping Plant as a pumped storage generation plant
- Ordinarily would require a consultant study costing \$30k-\$50k and taking 3-6 months
- Metropolitan staff queried CEATI members and searched the CEATI database for relevant studies
- Developed a comprehensive report in only a few weeks



Worldwide participation in Asset Management in Generation (39 members from 7 countries)

Who Are in
these two
CEATI
Groups?

BC Hydro	Portland General Electric
Bonneville Power Administration (BPA)	Sacramento Municipal Utility District
Bui Power Authority	Salt River Project
California Department of Water Resources	Santee Cooper
Central Arizona Project	SaskPower
Chelan County Public Utility District	Seattle City Light
Columbia Power Corporation	Southern California Edison
Constellation Energy Corporation	Tacoma Power
Energy Services	Tennessee Valley Authority
Foresight	TransAlta Corporation
FortisBC	U.S. Army Corps of Engineers
Fortum	U.S. Bureau of Reclamation
Hydro-Quebec	U.S. Department of Energy
J-Power	Uganda Electricity Generation Company
Landsvirkjun	Yuba Water Agency
Lewis County PUD	Yukon Energy Corporation
Manitoba Hydro	
New York Power Authority	
Newfoundland and Labrador Hydro	
Nova Scotia Power Inc.	
Ontario Power Generation	
Pacific Gas and Electric Company	
Portage Power	

Benefits of CEATI Membership

Benefits For Infrastructure Asset Management (AM)

- Focused on practical application of AM at strategic/tactical levels
- Peer discussion on KPIs (key performance indicators), value and risk-based decision making, and asset performance management
- Open sharing with utilities about lessons learned for AM and cost/risk optimization
- Gather practical insights from an industry that has advanced AM practices
- Benchmark Metropolitan's AM practices with other utilities

Worldwide participation in Dam Safety (69 members from 9 countries)

Who Are in
these two
CEATI
Groups?

Ameren Corporation
American Electric Power (AEP)
Avangrid Networks
Axp0
BC Hydro
Brookfield BRP Holdings (Canada) Inc.
Bui Power Authority
California Department of Water Resources
Centralia City Light
Chelan County Public Utility District
CMS Energy
Constellation Energy Corporation
Denver Water
Duke Energy
Energiforsk
Entergy Services
Environment Agency
Eugene Water and Electric Board
Federal Energy Regulatory Commission (FERC)
FortisBC Inc.
Genesis Energy
Hetch Hetchy Water and Power SFPUC
Hydro Tasmania
Hydro-Quebec
Idaho Falls Power
Idaho Power Company
Landsvirkjun
Lewis County PUD
Louisville Gas & Electric and Kentucky Utilities
Manawa Energy
Manitoba Hydro
Merced Irrigation District
Mercury Energy
Meridian Energy Ltd.
Metro Vancouver
Ministere de le Environnement et de la Lutte contre les
changements climatiques
Montana Department of Natural Resources and
Conservation
New Brunswick Power
New York Power Authority
Newfoundland and Labrador Hydro
Nova Scotia Power Inc.
Oglethorpe Power Corporation
Ontario Power Generation
Pacific Gas and Electric Company
Patriot Hydro
Placer County Water Agency
Portage Power
Portland General Electric
Puget Sound Energy Inc.
Relevate Power
Rev Renewables
Sacramento Municipal Utility District
Santee Cooper
SaskPower
Seattle City Light
Severn Trent Water Ltd
Southern California Edison
Southern Company
Tacoma Power
Tennessee Valley Authority (TVA)
Thames Water Utilities
TransAlta Corporation
Turlock Irrigation District
U.S Department of Energy
U.S. Army Corps of Engineers
U.S. Bureau of Reclamation
Vale Power
Yuba Water Agency

69 Members

Benefits For Dam Safety Management

Benefits of CEATI Membership

- Benchmark dam safety practices with other dam owners and industry best practices
- Access to dam safety training materials and extensive library only available to members
- Access to over 50 research projects focused on dam safety (current value of over \$4 million)
- Access to CEATI's dam safety program self-evaluation tools such as the maturity matrices
- Networking and open sharing of knowledge with other dam owners

Board Options

- Option #1
 - Approve Metropolitan's extended annual membership in the Center for Energy Advancement through Technological Innovation and annual dues payment of \$68,000 for two additional interest groups, Dam Safety and Asset Management.
- Option #2
 - Do not approve Metropolitan's membership in CEATI

Board Options

Staff Recommendations

- Option #1

