



**Legislative Council Staff**

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**Final Fiscal Note**

**Drafting Number:** LLS 21-0499      **Date:** September 2, 2021  
**Prime Sponsors:** Sen. Hansen; Coram      **Bill Status:** Signed into Law  
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**Bill Topic:**      **PUC MODERNIZE ELECTRIC TRANSMISSION INFRASTRUCTURE**

**Summary of Fiscal Impact:**

|   |   |
|---|---|
| <input checked="" type="checkbox"/> State Revenue     | <input type="checkbox"/> TABOR Refund                       |
| <input checked="" type="checkbox"/> State Expenditure | <input checked="" type="checkbox"/> Local Government        |
| <input type="checkbox"/> State Transfer               | <input checked="" type="checkbox"/> Statutory Public Entity |

This bill creates the Colorado Electric Transmission Authority, requires transmission utilities to join organized wholesale markets, and expands the authority to install broadband facilities on an electric utility easement. It also requires the Public Utilities Commission to issue a final order concerning a utility's application to construct or expand transmission facilities within 240 days. The bill will increase state revenue and state and local expenditures, and creates a new statutory public entity.

**Appropriation Summary:** For FY 2021-22, the bill requires an appropriation of \$573,351 to multiple state agencies. See State Appropriations section.

**Fiscal Note Status:** This fiscal note reflects the enacted bill.

**Table 1  
State Fiscal Impacts Under SB 21-072**

|                           | <b>Budget Year<br/>FY 2021-22</b> | <b>Out Year<br/>FY 2022-23</b> |
|---------------------------|-----------------------------------|--------------------------------|
| <b>Revenue</b>            | -                                 | -                              |
| <b>Expenditures</b>       |                                   |                                |
| General Fund              | \$73,351                          | \$73,133                       |
| Cash Fund                 | up to \$500,000                   | up to \$500,000                |
| Centrally Appropriated    | \$14,954                          | \$16,495                       |
| <b>Total Expenditures</b> | <b>up to \$588,305</b>            | <b>up to \$589,628</b>         |
| <b>Total FTE</b>          | <b>0.9 FTE</b>                    | <b>1.0 FTE</b>                 |
| <b>Transfers</b>          | -                                 | -                              |
| <b>TABOR Refund</b>       | -                                 | -                              |

## **Summary of Legislation**

**Organized Wholesale Market.** The bill requires every transmission utility in Colorado to join an Organized Wholesale Market (OWM) by January 1, 2030, unless that deadline is waived or delayed by the Public Utilities Commission (PUC). Transmission utilities are defined in the bill as public utilities that are wholesale electricity suppliers or transmitters and own and operate electric transmission lines capable of transmitting electric energy at a voltage of 100 kilovolts or more. The PUC is directed to participate in applicable FERC proceedings, may allow transmission utilities to recover costs of participating in an OWM through electric utility rates or a transmission rider.

**Colorado Electric Transmission Authority.** The bill creates the Colorado Electric Transmission Authority (“transmission authority”) as an independent special purpose authority governed by a nine-member board of directors comprised of Governor and legislative leadership appointees and the director of the Colorado Energy office or their designee. The authority is required to adhere to the labor standards, as outlined in the bill.

The transmission authority has the power to:

- select a qualified transmission operator to finance, plan, acquire, maintain, and operate eligible facilities;
- issue electric transmission bonds that are exempt from taxation;
- enter into contracts to purchase, lease, and dispose of eligible facilities;
- identify and establish intrastate electric transmission corridors, subject to local government approval;
- coordinate with other entities to establish interstate electric transmission corridors;
- exercise the power of eminent domain to acquire eligible facilities, except electric utility property or property or rights-of-way owned by a local government; and
- collect payments of reasonable rates, fees, interest, or other charges from persons using eligible facilities.

The authority must ensure that all construction, expansion, or maintenance of eligible facilities adheres to the labor standards as outlined in the bill, and must consider adverse environmental impacts to species and habitats. Beginning in 2022, the authority must submit an annual report of its activities to relevant committees of the General Assembly that includes a complete operating and financial statement. The authority is subject to performance audits.

The bill creates the Electric Transmission Bonding Fund, which consists of revenue from eligible facilities, fees and service charges, bond proceeds, principal and interest payments on loans, and all interest and income derived from the deposit and investment of money in the bonding fund. The bill also creates the Electric Transmission Authority Operational Fund which consists of money transferred from the Electric Transmission Bonding Fund and all interest and income derived from the deposit and investment of money in the fund.

**Definition of electric utility.** The bill also expands the definition of “electric utility” as it relates to the installation of broadband facilities on real property subject to an electric easement.

**Expedited review of transmission facility applications.** The bill directs the PUC to issue a final order within 240 days after a utility's application to build new transmission facilities is deemed complete and public notice of the application has been given. The commission is authorized to approve a utility's application if the construction or expansion can cost-effectively enable the reliable delivery of electricity to Colorado consumers and to meet renewable energy standards and clean energy targets. In constructing or expanding transmission facilities, the utility is required to use its own employees or a contractor whose employees have access to federally-approved apprenticeship program.

**Right-of-way.** The bill specifies that when a right-of-way is taken for an interstate electric transmission line, courts must evaluate public purpose in light of the transmission system as a whole, including public use and benefits occurring both within Colorado and at a regional level.

## **Assumptions**

This fiscal note assumes that applications to join OWMs, required in the bill by 2030, will occur in FY 2025-26 and FY 2026-27. Based on this timing, it is assumed that transmission utilities may begin filing with the PUC to recover costs to participate in an OWM beginning in FY 2025-26. In the event that applications to join OWMs occur in different years, the costs associated with applications and cost-recovery filings will shift accordingly.

This fiscal note also assumes that the transmission authority will begin operation in FY 2021-22, and begin financing eligible facilities in FY 2022-23. All revenue and expenditure impacts associated with transmission authority projects are therefore assumed to begin in FY 2022-23.

## **State Revenue**

Beginning in FY 2021-22, the bill will increase state revenue on an ongoing basis, as discussed below.

**Fixed Utility Fund.** The bill will increase fee revenue to the Fixed Utility Fund to cover the PUC's administrative expenses under the bill. This fee revenue, which is subject to TABOR, is reflected in the fiscal note for Senate Bill 21-272, which raises the cap on the statutory maximum fee collected from regulated utilities.

**Transmission facility lease payments.** The transmission authority may enter into contracts with agencies of state-owned land for transmission projects. The Department of Natural Resources (DNR) manages around 2.9 million acres of state-owned land, and may generate revenue from right-of-way lease payments. Revenue to the Colorado Parks and Wildlife would be paid to either the Wildlife Cash Fund or the Parks and Outdoor Recreation Cash Fund, which are not subject to TABOR. Revenue to the State Land Board would be paid to the Public School Income Fund and is subject to TABOR. These revenue impacts depend on actions taken by the transmission authority and cannot be estimated.

**Conservation easement tax credits.** If the transmission authority acquires a right-of-way on land that the DNR has under a conservation easement, the easement could be devalued or invalidated, possibly resulting in the loss of the state income tax credit to the property owner. This would result in an increase in state revenue from income tax. These impacts depend on actions taken by the transmission authority and cannot be estimated.

**Electric easements.** To the extent that this bill increases civil case filings regarding electric easements, Judicial Department civil case filing revenue will increase. The fiscal note assumes that there will be minimal or very limited case filings under the bill. Civil case filing fees range from \$85 to \$235 depending on amount of damages and type of court and are subject to TABOR.

## State Expenditures

The bill increases expenditures by \$588,305 and 0.9 FTE in FY 2021-22 and \$589,628 and 1.0 FTE in FY 2022-23 and on an ongoing basis. These expenditures are reflected in Table 2 and described in detail below.

**Table 2  
Expenditures Under SB 21-072**

| <b>Cost Components</b>                            | <b>FY 2021-22</b>      | <b>FY 2022-23</b>      |
|---|------------------------|------------------------|
| <b>Department of Regulatory Agencies</b>          |                        |                        |
| Administrative Expenses to Transmission Authority | up to \$500,000        | up to \$500,000        |
| <b>DORA Subtotal</b>                              | <b>up to \$500,000</b> | <b>up to \$500,000</b> |
| <b>Department of Labor and Employment</b>         |                        |                        |
| Personal Services                                 | \$65,801               | \$71,783               |
| Operating Expenses                                | \$1,350                | \$1,350                |
| Capital Outlay Costs                              | \$6,200                | -                      |
| Centrally Appropriated Costs <sup>1</sup>         | \$14,954               | \$16,495               |
| FTE – Personal Services                           | 0.9 FTE                | 1.0 FTE                |
| <b>CDLE Subtotal</b>                              | <b>\$88,305</b>        | <b>\$89,628</b>        |
| <b>Total Expenditures</b>                         | <b>up to \$588,305</b> | <b>up to \$589,628</b> |
| <b>Total FTE</b>                                  | <b>0.9 FTE</b>         | <b>1.0 FTE</b>         |

<sup>1</sup> Centrally appropriated costs are not included in the bill's appropriation.

**Public Utilities Commission.** Beginning in FY 2021-22, the bill increases expenditures and workload in the PUC. The PUC requires the following resources to fulfill the bill's requirements.

- **Transmission authority administration.** The bill authorizes the transmission authority to obtain an office and hire staff, with administrative expenses of up to \$500,000 annually funded through the PUC. The fiscal note assumes a cost of up to \$500,000 per year beginning in FY 2021-22, as authorized by the bill. The transmission authority is required to remit to the Fixed Utility Fund any amount it receives in excess of its actual administrative expenses plus a 15 percent reserve margin.

- **Organized Wholesale Market.** Transmission utilities in Colorado are required to join an OWM by January 1, 2030, unless certain conditions are met. The PUC is authorized to participate in FERC proceedings involving the management of OWMs whose boundaries meet within Colorado, and to allow transmission utilities to recover OWM-related costs through rates or a transmission rider. The PUC will require four full-time staff and up to 1800 hours of legal services from the Department of Law to support the trial staff and the commission for each application from a transmission utility to join an OWM (estimated at \$700,000). Three transmission utilities, unless granted a waiver by the PUC, will be required to submit applications to the PUC to join an OWM, and this fiscal note assumes that these applications will take place in FY 2025-26 and FY 2026-27. If transmission utilities submit applications in different years, these one-time costs will be incurred in corresponding years. In addition, the PUC requires one full-time staff to assist the commission in making determinations on transmission utility cost recovery of OWM-related expenses (estimated at \$115,000). It is assumed that these costs will begin in FY 2025-26 and will be ongoing.
- **Cost recovery for investments in eligible facilities.** The bill allows electric utilities regulated by the commission to recover the capital cost of a project if the PUC has issued a Certificate of Public Convenience and Necessity (CPCN). The PUC can accommodate the processing of these CPCNs in the normal course of business. The PUC can also accommodate electric utility cost recovery proceedings in the normal course of business through Transmission Cost Adjustment riders.
- **Expedited review.** The PUC is required to issue a final decision within 240 days after application for the construction or expansion of transmission facilities. The expedited review timeframe does not require additional resources from the PUC, but may require additional legal services from the Department of Law which will be sought through the annual budget process as necessary.

**Department of Labor and Employment.** The Department of Labor and Employment requires one full-time staff member to develop and maintain a certified contractor list. This staff person will contact apprenticeship sponsors to obtain a list of contractors and employers affiliated with their registered apprenticeship program. There are an estimated 150 apprenticeship sponsors within the mechanical, plumbing, and electrical occupations, and each sponsor may be affiliated with multiple contractors. This fiscal note assumes that each apprenticeship sponsor will require 12 hours of work to collect the necessary information to compile the certified contractor list, which will be updated annually. Staff costs have been prorated to reflect the General Fund pay date shift. See the Technical Note below about the provisions of the bill affecting the Department of Labor and Employment.

**Office of the State Auditor.** The Office of the State Auditor is required, at the discretion of the Legislative Audit Committee, to conduct performance audits of the transmission authority. These discretionary audits can be accommodated in the existing audit plan.

**Department of Natural Resources.** The bill may increase workload for the State Land Board and Colorado Parks and Wildlife (CPW). Around 2.9 million acres of state land, including state trust lands, wildlife areas, and parks, could be used for transmission facility leases. The State Land Board and the Colorado Parks and Wildlife may need to engage with the transmission authority on any projects that overlap with these state-owned lands. Additionally, if the transmission authority acquires a right-of-way on CPW-managed lands, the change in designation of use from wildlife-related or recreational purposes to commercial utility transmission could result in CPW compensating federal partners.

**Judicial Department.** Workload may increase in the Denver District court if the transmission authority's final decisions on projects are appealed. The Judicial Department will monitor the appeal filings related to the transmission authority and will request additional resources through the normal budget process if necessary. Trial courts may also incur workload increases related to the evaluation of public use and benefits when reviewing cases where right-of-way is taken for interstate electric transmission lines. This workload is anticipated to be minimal and can be accommodated in the existing court processes.

**Department of Personnel and Administration.** The Department of Personnel and Administration (DPA) oversees the state response to property damage, and liability claims and lawsuits resulting from negligence. The transmission authority's Board will be covered by the DPA's Liability Pool, and rates will be addressed through the annual budget process.

**Department of Local Affairs.** Workload may increase for the Division of Property Taxation to perform property tax valuation as necessary under the bill. This workload can be accommodated within existing resources.

**Colorado Energy Office.** Workload will increase for the Colorado Energy Office to participate on the Board of Directors for the transmission authority. The authority will cover board members expense reimbursements. This increase in workload can be accommodated within existing resources.

**Ratepayer impact.** To the extent that cost recovery for joining an OWM and investing in eligible facilities impacts electric utility rates, state agencies, as retail electricity customers, may be affected. Because future rate impacts depend on actions taken by the transmission authority and the timing of joining an OWM, the exact impact to state agencies are indeterminate.

**School finance.** To the extent that the bill increases the local share of total program funding for school finance, the state aid requirement will decrease. This decrease is expected to be minimal.

**Centrally appropriated costs.** Pursuant to a Joint Budget Committee policy, certain costs associated with this bill are addressed through the annual budget process and centrally appropriated in the Long Bill or supplemental appropriations bills, rather than in this bill. These costs, which include employee insurance and supplemental employee retirement payments, are estimated to be \$64,444 in FY 2022-23.

## **Local Government**

**Property tax.** This bill may increase revenue to local governments from property taxation of transmission and energy storage facilities financed by the transmission authority. Any change to property tax revenue from the levy of school finance total program mills will affect the local share of total program funding for school finance. This revenue will depend on actions taken by the transmission authority and cannot be estimated.

**Land use.** Workload and expenditures may increase for local governments to review and approve projects proposed by the transmission authority on local government-owned land. Additional maintenance costs and workload, particularly on county open spaces, may be incurred to modify open space designations or to maintain the land.

**Electric easements.** Workload may increase for local governments that are commercial broadband suppliers or broadband affiliates. Only Longmont currently provides broadband services, while Fort Collins is currently building and implementing broadband services. To date, 40 Colorado counties and nearly 100 municipalities have authorized their local government to provide telecommunications services. This fiscal note assumes that a majority of transactions under the electric easement provisions of this bill are between private or non-state entities.

### **Statutory Public Entity**

This bill creates a new statutory public entity, the Colorado Electric Transmission Authority, which will be administered by an appointed board. It is assumed that administrative costs will be paid using appropriations to the Public Utilities Commission allocated to the authority, as authorized by the bill and discussed in the State Expenditures section. The transmission authority will also receive funding from electric transmission bonds and facility user fees to cover project-specific expenses.

### **Technical Note**

**Department of Labor and Employment.** Two other bills, House Bill 21-1238 and Senate Bill 21-246, also contain the provision in this bill that requires the Department of Labor and Employment to prepare and update a certified contractor list containing the names and contact information of qualified contractors that participate in apprenticeship programs that are registered with the U.S. Department of Labor or by a State Apprenticeship Council. The appropriation related to this provision is identified in the fiscal notes for all three bills, but needs only to be appropriated once. See State Appropriations Section.

### **Effective Date**

The bill was signed into law by the Governor and took effect on June 24, 2021.

### **State Appropriations**

For FY 2021-22, this bill requires the following appropriations:

- \$500,000 from the Fixed Utility Fund to the Department of Regulatory Agencies, for allocation via the PUC to the Colorado Electric Transmission Authority; and
- \$73,351 and 0.9 FTE from the General Fund to the Department of Labor and Employment.

The appropriation from the Fixed Utility Fund to the Department of Regulatory Agencies was made in Senate Bill 21-272, which was signed into law on June 10, 2021. The appropriation from the General Fund to the Department of Labor and Employment was made in Senate Bill 21-246, which was signed into law on June 21, 2021.

### **State and Local Government Contacts**

Agriculture  
Governor  
Judicial  
Local Affairs  
Personnel  
State Auditor

Colorado Energy Office  
Higher Education  
Law  
Municipalities  
Regulatory Agencies  
Transportation

Counties  
Information Technology  
Labor and Employment  
Natural Resources  
Revenue  
Treasury