



Legislative
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FISCAL NOTE

Drafting Number:	LLS 20-0327	Date:	January 15, 2020
Prime Sponsors:	Rep. Arndt; Saine Sen. Sonnenberg; Bridges	Bill Status:	House Rural Affairs
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Bill Topic: **STUDY EMERGING TECHNOLOGIES FOR WATER MANAGEMENT**

Summary of Fiscal Impact:

<input checked="" type="checkbox"/> State Revenue	<input type="checkbox"/> TABOR Refund
<input checked="" type="checkbox"/> State Expenditure (<i>conditional</i>)	<input type="checkbox"/> Local Government
<input type="checkbox"/> State Transfer	<input type="checkbox"/> Statutory Public Entity

The bill directs the University of Colorado to study new and emerging technologies that have the potential to improve water management, provided that it can obtain donations to do so. The bill may increase revenue and conditionally increases state expenditures in FY 2020-21 only.

Appropriation Summary: For FY 2020-21, the bill appropriates \$40,000 to the University of Colorado provided that the university meets a donation threshold.

Fiscal Note Status: The fiscal note reflects the introduced bill recommended by the Water Resources Review Committee.

Table 1
State Fiscal Impacts Under HB 20-1072

		FY 2020-21	FY 2021-22
Revenue		-	-
Expenditures	General Fund	\$40,000	-
Transfers		-	-
TABOR Refund		-	-

Summary of Legislation

The bill directs the University of Colorado, in collaboration with the Water Institute at Colorado State University, to conduct feasibility studies and pilot deployments of new and emerging technologies that have the potential to improve water management. The technologies to be investigated may include:

- in-situ sensors to monitor water use;
- sensors to monitor water quality;
- cellular and satellite telemetry systems allowing remote access to sensor data;
- aerial observation platforms, including high-altitude balloons and unmanned vehicles;
- satellite-based remote sensing and water resource forecasting technologies; and
- blockchain-based documentation; communication, and authentication of data regarding water use, trading, and conservation.

The University of Colorado must report to the Water Resources Review Committee on the progress of the studies and provide any recommendations to promote their use by July 15, 2021, and upon the request of the committee thereafter.

The University of Colorado is authorized to accept gifts, grants, and donations to conduct the studies, and shall not conduct the studies unless it has received at least \$40,000 for this purpose. Conditional upon the university raising at least that amount in donations, an additional \$40,000 General Fund is appropriated to the university for FY 2020-21.

State Revenue

For FY 2020-21 and FY 2021-22, the bill may increase revenue to the University of Colorado from gifts, grants, and donations. Revenue from gifts, grants, and donations is not subject to TABOR.

State Expenditures

For FY 2020-21 only, the bill increases state General Fund expenditures for the University of Colorado by \$40,000, in addition to any donations being spent, conditional upon the University raising at least \$40,000 for the purposes of the bill and triggering the General Fund appropriation. University researchers will determine the scope of study that can be accomplished based on the funding secured. Workload for CSU may increase to collaborate on any study.

Effective Date

The bill takes effect August 5, 2020, if the General Assembly adjourns on May 6, 2020, as scheduled, and no referendum petition is filed.

State Appropriations

For FY 2020-21, the bill conditionally appropriates \$40,000 General Fund to the Department of Higher Education.

State and Local Government Contacts

Higher Education

Information Technology

Natural Resources