

HF3948 - 0 - Storm Water Retention and Infiltration Study

Chief Author: **Peter Fischer**
 Committee: **Water Subcommittee**
 Date Completed: **3/9/2020 8:28:05 AM**
 Lead Agency: **Pollution Control Agency**
 Other Agencies:
 Natural Resources Dept

State Fiscal Impact	Yes	No
Expenditures	X	
Fee/Departmental Earnings		X
Tax Revenue		X
Information Technology		X
Local Fiscal Impact		X

This table shows direct impact to state government only. Local government impact, if any, is discussed in the narrative. Reductions shown in the parentheses.

State Cost (Savings)	Biennium			Biennium		
	Dollars in Thousands	FY2019	FY2020	FY2021	FY2022	FY2023
Pollution Control Agency						
General Fund	-	-	562	-	-	-
State Total						
General Fund	-	-	562	-	-	-
Total	-	-	562	-	-	-
Biennial Total			562			

Full Time Equivalent Positions (FTE)	Biennium			Biennium	
	FY2019	FY2020	FY2021	FY2022	FY2023
Pollution Control Agency					
General Fund	-	-	.5	-	-
Total	-	-	.5	-	-

Lead LBO Analyst's Comment

I have reviewed this fiscal note for reasonableness of content and consistency with the LBO's Uniform Standards and Procedures.

LBO Signature: Jim Carlson **Date:** 3/9/2020 8:28:05 AM
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State Cost (Savings) Calculation Details

This table shows direct impact to state government only. Local government impact, if any, is discussed in the narrative. Reductions are shown in parentheses.

*Transfers In/Out and Absorbed Costs are only displayed when reported.

State Cost (Savings) = 1-2		Biennium			Biennium	
Dollars in Thousands		FY2019	FY2020	FY2021	FY2022	FY2023
Pollution Control Agency						
General Fund		-	-	562	-	-
Total		-	-	562	-	-
Biennial Total				562		-
1 - Expenditures, Absorbed Costs*, Transfers Out*						
Pollution Control Agency						
General Fund		-	-	562	-	-
Total		-	-	562	-	-
Biennial Total				562		-
2 - Revenues, Transfers In*						
Pollution Control Agency						
General Fund		-	-	-	-	-
Total		-	-	-	-	-
Biennial Total				-		-

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Total	-	-	562	-	-	-
Biennial Total			562			-

Full Time Equivalent Positions (FTE)	Biennium			Biennium	
	FY2019	FY2020	FY2021	FY2022	FY2023
General Fund	-	-	.5	-	-
Total	-	-	.5	-	-

LBO Analyst's Comment

I have reviewed this fiscal note for reasonableness of content and consistency with the LBO's Uniform Standards and Procedures.

LBO Signature: Jim Carlson **Date:** 3/9/2020 8:27:11 AM
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Dollars in Thousands		FY2019	FY2020	FY2021	FY2022	FY2023
General Fund		-	-	562	-	-
Total		-	-	562	-	-
Biennial Total				562		-
1 - Expenditures, Absorbed Costs*, Transfers Out*						
General Fund		-	-	562	-	-
Total		-	-	562	-	-
Biennial Total				562		-
2 - Revenues, Transfers In*						
General Fund		-	-	-	-	-
Total		-	-	-	-	-
Biennial Total				-		-

Bill Description

Appropriates money from the general fund to evaluate the impact of storm water retention and infiltration in urban areas on groundwater and surface water, including the potential for contamination from pollutants and the effects on stream water flow, lake levels, and groundwater recharge.

Requires development of recommendations for when and where storm water retention and infiltration should be encouraged and discouraged.

Requires a report of the recommendations submitted to the chairs and ranking minority members of the house of representatives and senate committees and divisions with jurisdiction over environment and natural resources by January 15, 2021.

Onetime GF appropriation

Assumptions

1. MPCA defines urban area as the typical landscape found in the “urbanized area” as defined by the decennial census.
2. MPCA will hire a contractor through a fair and transparent competitive process. The contracted work will be to develop a MODFLOW model for an urban setting and run a range of infiltration scenarios. For example, widespread infiltration versus no infiltration, and large infiltration systems versus multiple scattered small systems. For the different modeling scenarios, the contractor will assess the resulting impact on the groundwater system, including localized mounding, groundwater recharge, and baseflow to local streams. MODFLOW has contaminant transport functionality built-in, thus allowing prediction of water quality impacts for the different infiltration scenarios. The contractor will write a report summarizing the modeling scenarios. MPCA will use the information to develop recommendations for where and how much water to infiltrate.
3. 0.5 FTE of MPCA staff time will be needed to work with the contractor to assist in development of the study, manage the contract, review the findings and report, provide feedback and comments throughout the process, and prepare the recommendations and report out by January 15, 2021.
4. All costs are to be paid by the general fund.

Expenditure and/or Revenue Formula

Long-Term Fiscal Considerations

Contractor cost estimate including scope and deliverable refinements is a total of \$500,000.

Staff costs = 0.5 FTE X \$124,000 = \$62,000

*The annual cost of 1.0 FTE is \$124,000 in FY2019-2023. Annual costs for 1.0 FTE include salary, fringe, and non-specialized employee support costs (work space, computer and office supplies, office equipment, local travel, etc.).

Local Fiscal Impact

N/A

References/Sources

Decennial Census

Estimate by an experienced consultant with expertise in stormwater.

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 Agency: **Natural Resources Dept**

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Expenditures		X
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Total	-	-	-	-	-	-
Biennial Total			-			-

Full Time Equivalent Positions (FTE)	Biennium			Biennium	
	FY2019	FY2020	FY2021	FY2022	FY2023
Total	-	-	-	-	-

LBO Analyst's Comment

I have reviewed this fiscal note for reasonableness of content and consistency with the LBO's Uniform Standards and Procedures.

LBO Signature: Jim Carlson **Date:** 3/6/2020 3:09:05 PM
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State Cost (Savings) Calculation Details

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Dollars in Thousands	FY2019	FY2020	FY2021	FY2022	FY2023	
Total	-	-	-	-	-	-
Biennial Total			-			-
1 - Expenditures, Absorbed Costs*, Transfers Out*						
Total	-	-	-	-	-	-
Biennial Total			-			-
2 - Revenues, Transfers In*						
Total	-	-	-	-	-	-
Biennial Total			-			-

Bill Description

The bill requires the Pollution Control Agency to prepare a report to the legislature by January 15, 2021 that will evaluate the impact of storm water retention and infiltration in urban areas on groundwater and surface water, including the potential for contamination from pollutants and the effects on stream water flow, lake levels, and groundwater recharge. Money for this purpose is appropriated from the General Fund.

Assumptions

The Department of Natural Resources assumes that its role would be limited to providing technical advice on the study and report and possibly attending any meetings PCA staff would call on the topic. This level of activity would be provided within the scope of current DNR job responsibilities and would not require additional resources.

Expenditure and/or Revenue Formula

Long-Term Fiscal Considerations

Local Fiscal Impact

References/Sources

Agency Contact: Jeanette Leete (651-259-5687)

Agency Fiscal Note Coordinator Signature: Lisa Bell

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Date: 3/6/2020 2:55:26 PM

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