

Fiscal Estimate Narratives

DNR 7/2/2003

LRB Number	03-0952/1	Introduction Number	AB-316	Estimate Type	Original
Subject					
Manage ballast water to control nuisance species					

Assumptions Used in Arriving at Fiscal Estimate

This bill prescribes a number of ballast water management duties upon the Department and oceangoing and non-oceangoing vessels operating on the Great Lakes within Wisconsin's boundaries. The Department estimates that this bill will result in an ongoing fiscal impact of \$274,874 and 3.8 FTE annually, as well as \$81,000 and 0.89 FTE in one-time expenses as itemized by task below:

Task 1. The bill instructs the Department to determine by six months after enactment whether oceangoing and non-oceangoing vessels operating in the state's Great Lakes waters are complying with ballast water management (BWM) practices developed by the Lake Carriers' Association and the Canadian Shipowners' Association.

Based on recent data available for 2001 from the Lake Carriers Association, the Department assumes that 1,890 commercial vessels visit Wisconsin ports each year. The Department assumes that it will require 120 hours (or 0.07 FTE) of effort of a program & planning analyst's time on a one-time basis @ \$26.33/hr (or \$3,160 total) to develop compliance forms to be used by commercial shippers and to have the forms reviewed/edited by the US Coast Guard, Transport Canada, and Lake Carriers Association. Additionally, the Department assumes that it will annually require an average of 3.5 hours per vessel (including travel time and follow-up) for each of the 1,890 vessels--or approximately 6,615 hours--for compliance checks. (This assumes that those operating the vessels cooperate fully with such checks). The Department assumes that the compliance checks will be conducted by a senior level environmental enforcement specialist @ \$37.55/hr including fringe. Therefore, the annual fiscal impact associated with this task is 6,615 hrs x \$37.55/hr = \$248,393 and (6,615/1,820) = 3.63 FTE.

Task 2. The bill instructs the Department to identify by six months after enactment if any other ballast water treatment methods that could be used to prevent the introduction of aquatic nuisance species while protecting ship safety.

Task 3. The bill instructs the Department to determine the needs for ballast water management practices based on the evaluation results from Task 2 as listed above.

The Department assumes that this task will involved 500 hours (or .27 FTE) of effort on a one-time basis by a water resources engineer at an hourly rate of \$40.34 including fringe (or \$20,170 total) to review and evaluate the available research on ballast water treatment technologies to determine their environmental effectiveness.

Task 3. The bill instructs the Department to determine the needs for ballast water management practices based on the evaluation results from Task 2 as listed above.

The Department assumes that this task will also involve 500 hours (or 0.27 FTE) of effort on a one-time basis by a water resources engineer at an hourly rate of \$40.34 including fringe (or \$20,170 total).

Task 4. The bill instructs the Department to identify by six months of enactment whether commercial vessels operating in Wisconsin's Great Lakes waters are using the ballast water management techniques that the Department has determined to be acceptable under Tasks 2 and 3 above.

The Department assumes that this task will require the equivalent annual effort to that listed in Task 1 above, that is, the prescribed compliance checks will require 3.5 hours per vessel for each of the 1,890 vessels--or approximately 6,615 hours. The Department assumes that these compliance checks will be conducted by the FTE listed in Task 1.

Task 5. The bill instructs the Department to maintain and report annual publication lists of vessels that are in compliance and those that are not in compliance. Further, the bill directs the Department to deny a loan or grant to any local government which contracts for the transport of cargo with a shipper not in compliance with required ballast water management practices.

The Department assumes that this will require it to develop a database reporting system that will need to link with existing financial assistance databases. The Department estimates that this will require at least 500 hours of computer programming (.27 FTE) on a one-time basis for which the Department would contract @ \$75/hr (or \$37,500). Additionally, the Department assumes that this task will annually require data entry by a program assistant for each of the 1,890 records. The Department assumes each record would require 0.10 hour, at an hourly rate of \$17.57 including fringe, resulting in \$3,321 in annual costs (1,890 x .1hr x \$17.57) and $189/1820 = .10$ FTE.

Task 6. The bill instructs the Department to annually submit to the governor and legislative committees a report describing progress on meeting the requirements of the bill.

The Department assumes that this will annually require 120 hours of effort by a programming and planning analyst @ \$26.33/hr, including fringe (or \$3,160 annually) and $120/1820 = .07$ FTE.

Additionally, the Department assumes that the tasks associated with this bill will require annual supplies and services expenditures of \$20,000 related to mailing, travel, and computer support costs.

Long-Range Fiscal Implications

Fiscal Estimate Worksheet - 2003 Session

Detailed Estimate of Annual Fiscal Effect

Original
 Updated
 Corrected
 Supplemental

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Subject			
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I. One-time Costs or Revenue Impacts for State and/or Local Government (do not include in annualized fiscal effect):			
Manage ballast water to control nuisance species			
II. Annualized Costs:		Annualized Fiscal Impact on funds from:	
		Increased Costs	Decreased Costs
A. State Costs by Category			
	State Operations - Salaries and Fringes	\$254,874	
	(FTE Position Changes)	(3.8 FTE)	
	State Operations - Other Costs	20,000	
	Local Assistance		
	Aids to Individuals or Organizations		
	TOTAL State Costs by Category	\$274,874	\$
B. State Costs by Source of Funds			
	GPR		
	FED		
	PRO/PRS		
	SEG/SEG-S	274,874	
III. State Revenues - Complete this only when proposal will increase or decrease state revenues (e.g., tax increase, decrease in license fee, etc.)			
		Increased Rev	Decreased Rev
	GPR Taxes	\$	\$
	GPR Earned		
	FED		
	PRO/PRS		
	SEG/SEG-S		
	TOTAL State Revenues	\$	\$
NET ANNUALIZED FISCAL IMPACT			
		State	Local
	NET CHANGE IN COSTS	\$274,874	\$
	NET CHANGE IN REVENUE	\$	\$
Agency/Prepared By		Authorized Signature	Date
DNR/ Joe Polasek (608) 266-2794		Joe Polasek (608) 266-2794	7/2/2003