



«Operator»  
«Facility»  
«Alt\_Address»  
«City» «State» «Alt\_Zip»

Dear «Operator»,

The Indiana Department of Environmental Management (IDEM) recently completed the draft 2000 Clean Watershed Needs Survey (CWNS). The CWNS documents financial needs for installation and rehabilitation of wastewater and other infrastructure. IDEM and EPA use the CWNS estimates of need for several purposes, including to determine whether funds in the State Revolving Loan Fund (SLRF) are sufficient to support local projects needed to achieve clean water goals.

The Indiana Association of Cities and Towns (IACT) and the American Council of Engineering Companies of Indiana (ACEC Indiana), formerly Consulting Engineers of Indiana, want to understand the strengths and limitations of the CWNS estimates so they can communicate better with members of the General Assembly and other constituencies. IACT and ACEC Indiana therefore have retained the Center for Urban Policy and the Environment at IUPUI to assist with a review of the CWNS estimates.

The CWNS 2000 includes an estimate of need for your community. The purpose of this IACT survey is to provide you an opportunity to review and comment on this estimate.

EPA and IDEM define need as "a valid cost estimate associated with a project that meets all the required criteria for acceptance in the CWNS 2000." The CWNS estimates are based on documentation provided by Indiana communities in 2000 or on engineering cost equations. These estimates are designed to reflect costs for secondary and advanced wastewater treatment, infiltration and inflow correction, replacement and rehabilitation of sewers, new collector sewers, and new interceptor sewers as of January 1, 2000 for the period 2000-2020. The procedures used by IDEM and EPA to determine needs are summarized in an attachment.

The estimate of financial need for «Facility» in the draft 2000 CWNS Needs Survey is \$«Sum». If this estimate is zero, it is because agencies did not have the data required to make an estimate. We request that you review this estimate, and complete and return the survey in the enclosed envelope by October 18, 2002. Your response is very important. Your review will be used to develop a report to the Indiana General Assembly. None of this information will be used in any regulatory activities.

Members of ACEC Indiana are available to assist you free-of-charge with reviewing this estimate. Contact information for ACEC Indiana is listed on the back of the survey form.

If you have questions about the survey you may contact Amy Worgan or me at the Center for Urban Policy and the Environment, (317) 261-3000. Natalie Hurt at IACT, (317) 237-6200 also is available to answer questions.

Thank you very much for your cooperation in this important research.

Sincerely,

Greg Lindsey  
Director, Center for Urban Policy and the Environment

## The Clean Watershed Needs Survey

### Background Information

The U.S. Environmental Protection Agency (EPA) and the Indiana Department of Environmental Management (IDEM) cooperate to estimate the costs of achieving clean water in Indiana's rivers, streams, and lakes. One purpose of estimating costs is to determine the level of funding needed in the State Revolving Loan Fund that local governments use to help finance wastewater and related infrastructure projects. The most recent estimate is the draft 2000 Clean Watershed Needs Survey (CWNS). These estimates will be released formally in 2003.

The CWNS includes cost estimates for a number of categories of wastewater infrastructure capital projects and other management projects.

<b>Category</b>	<b>Description</b>
I	Secondary wastewater treatment
II	Advanced wastewater treatment
III-A	Infiltration/inflow correction
III-B	Replacement/rehabilitation of sewers
IV-A	New collector sewers and appurtenances
IV-B	New interceptor sewers and appurtenances
V	Combined sewer overflow correction
VI	Storm water control
VII-A through VII-K	Nonpoint source control

The CWNS estimates are based on either estimates reported by local communities or are developed using engineering cost equations for different types of facilities. IDEM surveyed local governments between February 2000 and September 2001 to develop the estimates in the 2000 CWNS.

To accept a local government's self-reported needs as legitimate, IDEM relies on a list of acceptable documentation prepared by EPA. The type of documentation that is acceptable varies according to the size of a community. Smaller communities with populations of 3,500 or less must describe a project, explain why it is planned, include a written explanation of its community impact, and, if available, provide estimated costs. Larger communities face more rigorous requirements and must document both project need and costs. Acceptable documentation includes a capital improvement plan, an engineer's estimate, a state revolving loan fund application, or an intended use plan.

EPA may estimate costs for local communities using engineering cost equations when documentation from local communities is not available. These cost equations generally base costs on characteristics of the local infrastructure system. For example, to estimate costs for combined sewer overflow correction projects, EPA uses equations for the cost of settling tanks that will hold volumes of runoff that enter the combined sewers. Cost equations are available for all of the different wastewater categories.

The present CWNS estimate of costs is a combination of estimates reported by local governments and estimates modeled with cost equations. In some cases, estimates for municipalities are not available because communities did not submit documentation or because data required for input to the cost equations are not available.

**Indiana Association of Cities and Towns (IACT) Survey**

**WASTEWATER FINANCIAL NEEDS REVIEW**

Please answer each of the following questions to the best of your ability. If you need assistance answering these questions, please contact a volunteer from the American Council of Engineering Companies of Indiana (ACEC Indiana) or the Center for Urban Policy and the Environment. Background and contact information and details for returning this survey are provided on the reverse side of this form.

1. The estimate of financial need for «Facility» in the 2000 Clean Watershed Needs Survey is \$«sum». This estimate is designed to reflect costs that your community will have for secondary and advanced wastewater treatment, infiltration/inflow correction, replacement and rehabilitation of sewers, new collector sewers, and new interceptor sewers as of January 1, 2000 for the period 2000-2020. If the estimate for your community is zero, this means that IDEM lacked data to complete an estimate for your community.

Do you think the CWNS cost estimate is (please circle):

- a. VERY HIGH (expected projects will cost much less than this estimate)
  - b. SOMEWHAT HIGH
  - c. GENERALLY ABOUT RIGHT
  - d. SOMEWHAT LOW
  - e. VERY LOW (expected projects will cost much more than this estimate)
2. What is your best estimate of the total cost to your community for wastewater related projects that will occur between 2000 and 2020? Please complete the following table to the best of your ability by circling the appropriate answer or filling in the blank. If you do not expect to have costs or cannot estimate them, leave item blank. See the reverse side of this form for explanations of these categories.

<b>Wastewater Category</b>	<b>Costs Expected</b>	<b>Estimated Costs</b>	<b>Source or Basis for Estimate</b>
Secondary wastewater treatment	YES NO		
Advanced wastewater treatment	YES NO		
Infiltration/inflow correction	YES NO		
Replacement and rehabilitation of sewers	YES NO		
New collector sewers and appurtenances	YES NO		
New interceptor sewers and appurtenances	YES NO		
Total (sum all categories or include separate estimate)			

See reverse side for background information and details about returning this survey.

**Wastewater Category.** These are the categories of projects that IDEM uses as the basis for the CWNS estimates of need. By using these categories, it will be possible to complete a better review of the CWNS estimates.

**Costs Expected.** Please answer YES if you think your community will have capital costs for construction projects in this category between 2000 and 2020. Answer NO if you do not expect capital costs in this category. This information will be useful even if you currently do not have estimate of costs available for each category because reviewers will know that total estimates do not include relevant costs in this category.

**Estimated Costs.** Please estimate capital costs associated with construction projects in each category to the nearest \$1,000. Include all projects planned between 2000 and 2020. Add the estimates for each category together for the total. If you do not have estimates by category but have a total estimate, please report it.

**Source or Basis for Estimate.** Please list the source or basis for each estimate. Examples of sources of information include capital improvement or sewer master plans, applications for state revolving loan funds, an engineer's estimate, or extrapolation of historic expenditures or costs for similar projects.

3. Use this space to make any additional comments on the CWNS estimate or the estimate that you are providing.

For assistance in completing this survey, call:

American Council of Engineering Companies of Indiana (ACEC Indiana)  
Attention: Michelle Pippenger  
One Virginia Avenue, Suite 250  
Indianapolis, IN 46204-3616  
Phone: (317) 637-3563

For information about how your response to this survey will be used, call or email:

Natalie Hurt  
Indiana Association of Cities and Towns  
150 W. Market St., Suite 728  
Indianapolis, IN 46204  
(317) 237-6200

Greg Lindsey or Amy Worgan  
Center for Urban Policy and the Environment  
342 N. Senate Ave.  
Indianapolis, IN 46204  
(317) 261-3000

Please return this survey in the enclosed, pre-addressed envelope no later than October 18, 2002 or fax the survey to Amy Worgan at (317) 261-3050. Thank you for your cooperation with this study.



September 30, 2002

Last week you received a survey from Indiana Association of Cities and Towns and the Center for Urban Policy and the Environment asking you to review and comment on IDEM's cost estimate for wastewater needs for your facility.

**Your responses are important.** Results will be used in a report to the General Assembly that describes Indiana's water infrastructure needs.

If you have returned your survey, thank you. If you have not, we encourage you to do so. You may contact Michelle Pippenger at (317) 637-3563 at the American Council of Engineering Companies of Indiana for free technical assistance in completing the survey.

Questions? Need another copy of the survey? Contact Amy Worgan at the Center for Urban Policy and the Environment, (317) 261-3054.

Greg Lindsey, Director  
Center for Urban Policy and the Environment

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-----Original Message-----

From: Natalie Hurt

Sent: Tuesday, October 22, 2002 4:15 PM

Subject: Water/Wastewater Funding Needs Survey

IACT is conducting a survey to assess water/wastewater funding needs. The information will be used to communicate to the state legislature your needs in achieving the goals of the Clean Water Act.

In September, a survey from the Center for Urban Policy and the Environment at IUPUI was sent to your sewage treatment plant operator (on behalf of IACT and ACEC). Currently, only 17% of the surveys have been returned.

It is extremely important that this survey is returned no later than November 1 so accurate information regarding financial need may be presented to the state legislature.

If you have questions, or if you require another copy of the survey, Please contact Amy Worgan at the Center for Urban Policy and the Environment (317)261-3054. I am also available to answer your questions, or you may contact Natalie Hurt at (317) 237-6200.

Sincerely,  
Matt Greller  
IACT Executive Director

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