

**Division of Water**

**Request for Legislation**

*An ordinance authorizing the Division of Water to enter into Professional Service and Public Improvement contracts for repairs and improvements to the Nottingham water treatment plant's filters.*

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**Background/Purpose:**

The treatment processes at the Nottingham water treatment plant includes filtration. During filtration, Lake Erie water passes through filter media composed of sand and anthracite. These filters remove dissolved particles and biological matter from lake water. The filter media rests on concrete and stainless-steel structures called filter underdrains. The underdrains at Nottingham's 18 filters were installed in 2002. Some of the underdrains are showing signs of failure and must be replaced to preserve the effectiveness of the filtration process.

**Scope of Work/Commodities/Services:**

This work involves the removal and replacement of all of Nottingham's existing underdrains. Some modifications to the filter beds may be necessary to fit the new equipment into the existing structures. Some sitework and other related filter improvements are also needed. Authority to enter into Professional Service design contract(s) and Public Improvement construction contract(s) is requested.

**Justification/Urgency:**

The Nottingham treatment plant provides drinking water to large portions of the Cleveland Water system. This project will allow Nottingham to continue its mission of supplying safe, high quality water to Cleveland area residents, and to comply with all USEPA and OEPA regulations.

**Anticipated Costs and funding source:**

The project is estimated to cost \$20,000,000.

**Schedule or Term of Contract:**

Construction is estimated to be completed approximately 5 years after design work begins.

**Current Contract(s):**

N/A

**Previous Contract(s):**

N/A