

## **AGENDA NOTE – HRPDC EXECUTIVE COMMITTEE MEETING**

### **ITEM #8F: REDEVELOPMENT AS A NUTRIENT REDUCTION STRATEGY REPORT**

#### **SUBJECT:**

HRPDC Water Resources department with consultant, CH2M Hill, completed a report describing how redevelopment projects can be a nutrient reduction strategy to meet the Chesapeake Bay Total Maximum Daily Load (TMDL) requirements. The report was funded by a Virginia Coastal Zone Management Program.

#### **BACKGROUND:**

The final report, entitled *Redevelopment as a Nutrient Reduction Strategy*, provides information about current redevelopment in Hampton Roads and its relationship to stormwater management. The objectives of the grant are to estimate the nutrient removal for redevelopment based on the revised Virginia Stormwater Regulations, evaluate the cost effectiveness of nutrient removal achieved through redevelopment activities, and summarize the advantages and disadvantages of including redevelopment as a strategy to meet the Chesapeake Bay TMDL.

Nutrient removal from redevelopment activities can be counted towards the Chesapeake Bay TMDL, while the nutrient removal from new development activities will typically not provide a reduction in the existing nutrient load. The study found that redevelopment is not consistently defined or tracked by local governments. In order for localities to have adequate data to count redevelopment as a TMDL strategy, the following steps are recommended:

1. Develop a definition of redevelopment for stormwater management site plan review that is consistent with Virginia's Stormwater Management Regulations.
2. Use redevelopment planning as a catalyst to provide water quality treatment in existing developed areas that don't currently have water quality controls.
3. Develop a process for tracking nutrient removal due to redevelopment.

The Joint Environmental Committee has reviewed the report and recommends that the Commission approve the report for distribution.

#### **RECOMMENDED ACTION:**

The HRPDC staff and Joint Environmental Committee recommend approval of the Redevelopment report for distribution.

Enclosure