Delmarva Freight Study

PURPOSE

To comprehensively evaluate the multimodal freight transportation system and related operations on the Delmarva Peninsula, determine its effect on the environment and economic development, and develop and assess future planning scenarios to identify priorities for relevant investment and regulation changes.

REGIONAL MPO'S

DVRPC
WILMAPCO
BMC
WASHCOG
Hampton Roads
South Jersey TPO

STAKEHOLDERS

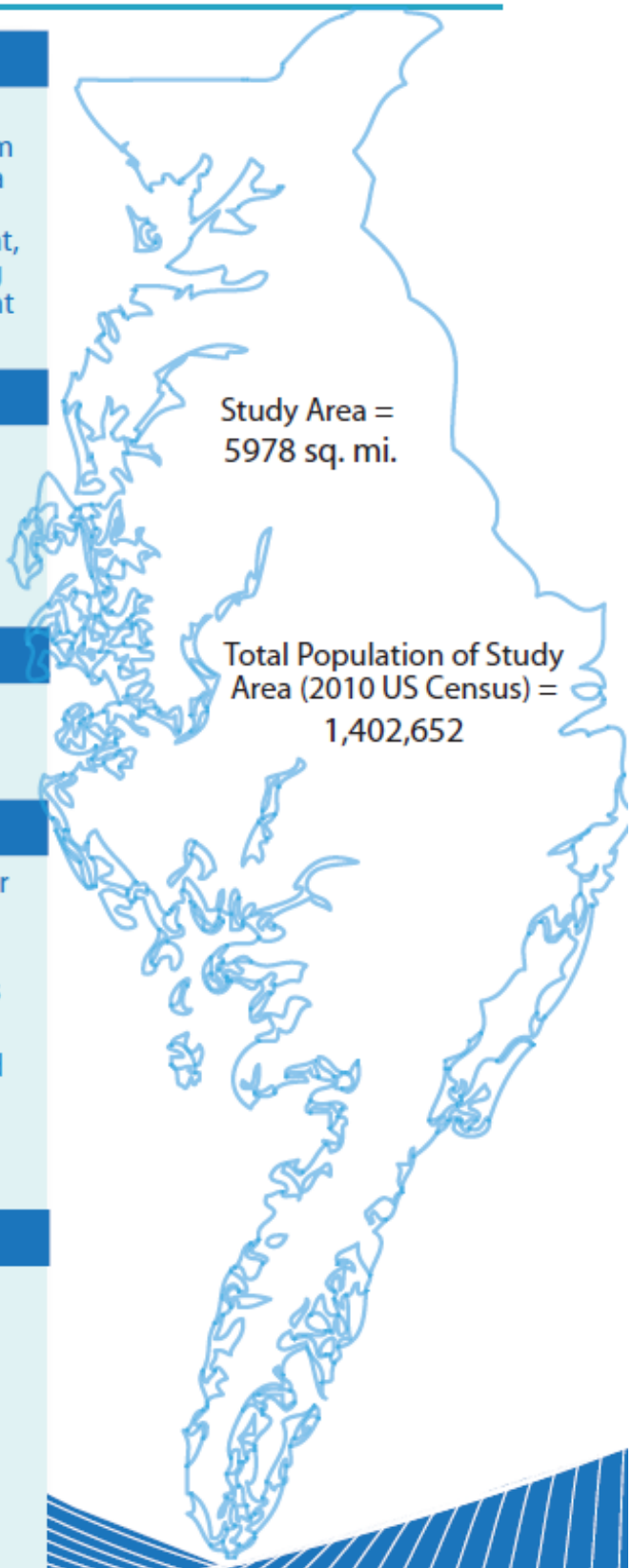
Agency
Industry
Shipper

KEY TASKS

- Conduct agency, industry, and shipper outreach
- Develop CUBE Cargo Model
- Generate preliminary freight forecasts and evaluations
- Prepare future planning scenarios and sensitivity analysis
- Address final policy, economic, and transportation plans

GOALS & OBJECTIVES

- Freight Connectivity, Mobility & Accessibility
- Safety & Security
- Sustainability & Environmental Stewardship
- Economic Vitality
- System Management, Operations & Maintenance



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DELMARVA CARGO MODEL

PURPOSE & NEED

Forecast current and future freight movement in the Delmarva Peninsula, by commodity groups and mode of travel

Accurately capture inter-modal transfer of goods and freight system performance

Test impacts of decisions such as infrastructure investments, regulations and modal enhancements.

MODEL HIGHLIGHTS

Three–level CUBE CARGO Model (National, Regional, Delmarva)

Multimodal freight options (Truck, Rail, Air, Water/Port, Pipeline)

Freight Movement at key intermodal transfer centers (Warehouses, Distribution Centers, Rail Yards, Ports)

Capture of local deliveries and long haul trips

MODEL INPUT

Zonal level socioeconomic data (population, employment)

National Planning Highway, Rail, Water networks

TRANSEARCH commodity flow data

Time and cost for each mode

Establishment Survey

MODEL OUTPUT

Long Haul direct flows by mode

Long Haul to/from TLN flows by mode

Short Haul flows by truck and commodity class

Short Haul to/from TLN flows by commodity class

CARGO MODEL NETWORK

For more details and additional material regarding the project, please check the WILMAPCO website at http://www.wilmapco.org/fwg/