Massachusetts Materials Management Capacity Study

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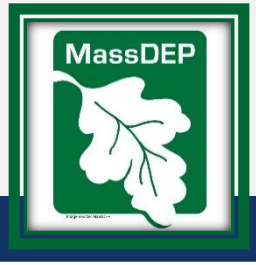
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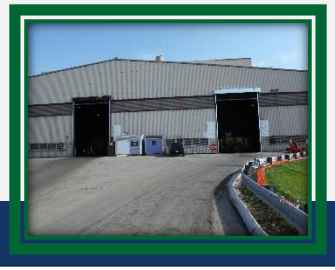
DATA SUBCOMMITTEE

6/14/2018

MSW CONSULTANTS








Study Background

- MassDEP beginning development of 2020-2030 Solid Waste Master Plan
- 2018 Focus – gather background info and stakeholder input to support development of Draft Plan
- Many Master Plan issues related to materials management capacity

Study Background

- MassDEP issued RFQ and selected MSW Consultants
- Project timing – complete study in October
- Present at October SWAC meeting
- MassDEP will use study findings to inform draft plan development

Study Summary

- The purpose of this study is to:
  - compile facility and capacity data across applicable facilities and activities
  - conduct in-state market and capacity analysis
  - conduct relevant out-of-state market and capacity analysis

- The project will assess materials management capacity across:
  - disposal
  - transfer stations
  - recycling
  - composting
  - anaerobic digestion
  - animal feed
  - reuse operations

Study Summary (cont.)

- For every included facility, MSW Consultants will acquire, analyze, and present the following data:
  - descriptive information
  - permitted and actual capacities
  - visible forward supply of disposal capacity
  - additional information unique each category

- All information will be compiled into a comprehensive capacity inventory. Findings will be delivered via a written report and presentation to the Massachusetts Solid Waste Advisory Committee.

In-State Facilities

In-State Disposal

- All in-state landfills, WTE, and transfer stations in Massachusetts will be included.

- In addition to the general information, the study will include the estimated useful life of the facilities, and data detailing transfers from MA transfer stations to out-of-state facilities.

In-State Processing

- In-state processing facilities to be included are:
  - MRFs
  - C&D processors
  - compost sites
  - anaerobic digestion facilities
  - animal feed operations
  - other relevant recycling or organics processing facilities

- In addition to the general information, the study will produce a projected capacity growth over 5 years.

In-State Reuse

- In-state reuse operations to be included are:
  - food rescue programs
  - textiles and household goods resellers
  - building materials and household furnishings resellers
  - institutional/commercial furniture and equipment resellers

- The following reuse operations are beyond the scope of this study:
  - computer and electronic appliance remanufacturers
  - motor vehicle parts resellers
  - tire retreaders
  - wood reuse
  - other retail used merchandise
  - materials exchange services

Out-of-State Facilities

Out-of-State Disposal

- All out-of-state landfills, WTE, and transfer stations within a 30-mile radius from the MA border will be included.

- Additionally, landfills and WTE facilities accepting at least 5,000 tons of MA waste will also be included, regardless of distance.

Out-of-State Disposal (cont.)

- In addition to the general information, the study will also acquire, analyze, and present the following data:
  - out-of-state data vs MA data regarding volume of MA waste received
  - estimated useful life
  - state-level disposal pricing data and trends
  - likely trends in availability of out-of-state disposal capacity
  - approximate truck and rail transportation costs

Out-of-State Processing

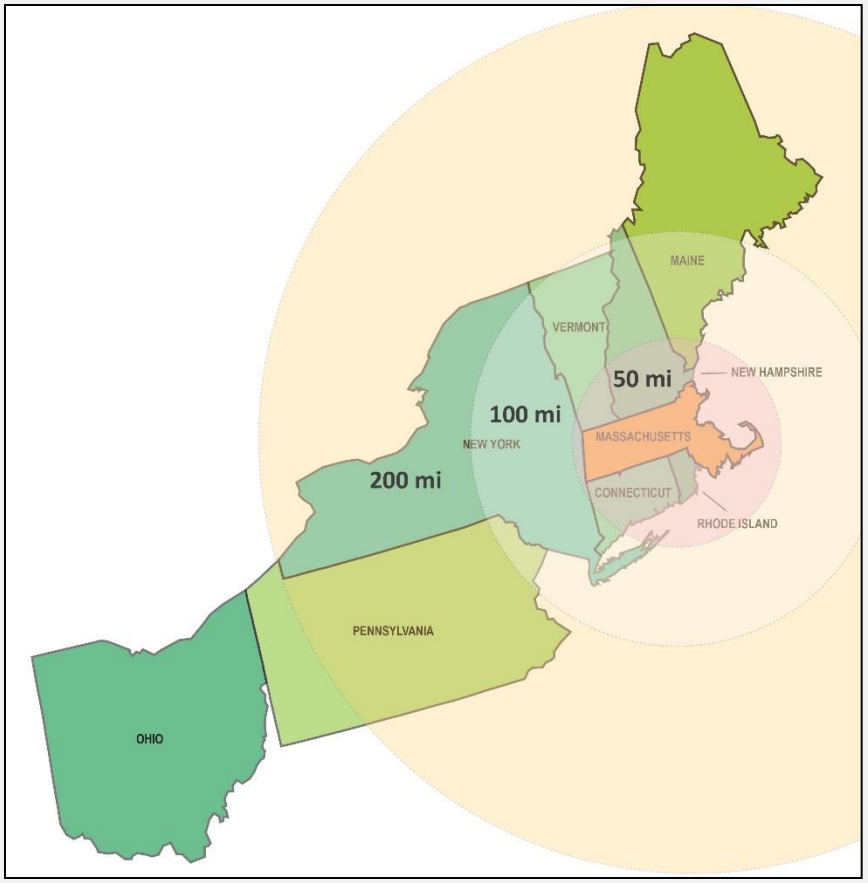
- Only out-of-state processing facilities within a 30-mile radius from the MA border will be included.

- Facilities to be included are:
  - MRFs
  - C&D processors
  - compost sites
  - anaerobic digestion facilities
  - animal feed operations

30-Mile Radius



Anticipated Receiving States



End of Presentation

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