

Park and Ride Toolkit

A guide for municipalities and park and ride supporters

What is a Park and Ride?

Park and rides in New Hampshire are intermodal facilities or places where people arrive by one mode of transportation, convene with or separate from others, and leave by a different transportation mode, such as by carpool or bus. A park and ride may be as simple as a convenient location where commuters meet or a designated parking lot at a bus station.

Like transit service, bike lanes or sidewalks, park and ride lots help increase the flexibility of the transportation system, allowing users more transport options to fit their lifestyle. Park and rides can also help users avoid excessive transportation costs.

In New Hampshire, there are over 30 state and municipal lots



Portsmouth Transportation Center Park and Ride

Why Develop a Park and Ride?

There are many environmental, economic, and social benefits of developing park and ride facilities as part of a sustainable transportation system.

Park and Ride Benefits:

decrease

- number of cars on the road
- CO₂ and other harmful emissions
- gas, toll, parking, and repair expenses
- congestion and demand for parking
- construction and maintenance cost for roads
- need for future roadway expansion
- air quality impacts from transportation projects

increase

- access to work, education, and other opportunities
- efficiency of the transportation system
- multi-modal transportation options
- transit ridership and carpool formation
- transportation options in rural communities
- potential commuter incentives from employers

<1%

NH commuters take public transit to work[‡]



8%

NH commuters carpool to work[‡]



2.1 ft³ CO₂

Emissions avoided per gallon by carpooling with just one other person[†]



What is the Toolkit?

The Park and Ride Toolkit is a comprehensive report and tool set.

The Toolkit lays out the criteria and processes required to establish a park and ride facility that meets local and regional transportation needs. It is a guide and resource to drive the park and ride planning and implementation process forward in an efficient and organized manner.

[†]Greenhouse Gas Emissions from a Typical Passenger Vehicle." US Environmental Protection Agency, 2014.

[‡]Commuting Characteristics of Workers 16 years and older in NH. American Community Survey 5 year Estimates, 2009-2013.

Park and Ride Toolkit Components

1 Getting Started: Park and Ride Overview

- Types of park and rides
- Park and rides as part of the transportation system
- Community engagement
- Introduction to funding
- Forms of ownership

2 Assessing Need, Demand, and Feasibility

- Determining the study area
- Identifying need
- Addressing political support
- Purpose and need statements
- Assessing demand
- Evaluating feasibility

3 Design: Conceptual to Final

- Generating leads
- Potential locations
- Design considerations
- Additional design elements
- Research and documentation
- Consider potential costs
- Site design/plan development overview
- Screening potential locations
- Resource impacts
- Alternatives analysis
- Time considerations
- Permitting overview
- Land acquisition

4 Preparing for Construction

- Process check-in
- Initiation with stakeholders
- State-owned property
- Municipally-owned property
- Joint-use opportunity
- Construction cost estimation
- NHDOT project development and process
- Legal considerations

5 Finalizing Agreements

- Responsibilities and agreements
- Maintenance plans
- Scope and scale of maintenance activities
- Cost considerations and estimations
- Law enforcement responsibilities and activities
- Liabilities and reducing/minimizing risk

6 Evaluation and Promotion

- Revisiting the purpose and need
- Monitoring park and ride facility use
- Evaluating multimodal connections
- Promoting and marketing



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