

Imagery Plan Proposal

GIS Advisory Committee Overview
November 15, 2017



Project Vision

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High-quality aerial imagery will be collected on a regular basis for the entire state that will *meet the needs of the GIS data users of the state, including state agency users, as well as users from the general public.*

Alignment with Action Plan

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STRATEGY #1

Develop and maintain NH statewide base map and derivative data products

Objectives

- A. (GTAC Level) Develop a plan for the regular acquisition, maintenance, and dissemination of statewide base map imagery and derivative data products.
Plan to include:
 - Needs assessment
 - Technical specifications
 - Funding model(s)

- B. (GAC/Executive Level) Explore the feasibility of a New England-wide consortium to achieve cost efficiencies in the acquisition of orthophotography

Plan Components

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- Define statewide standards for imagery acquisition:
 - Imagery type (aerial photography, satellite imagery, LIDAR, etc.)
 - Imagery resolution (1', 6", 3")
 - Imagery accuracy (horizontal and vertical)
 - Frequency of imagery acquisition
 - Acquisition conditions (leaf on/leaf off, bare ground, sun angle, etc.)
 - Delivery considerations (format, projection tiling scheme, tile naming convention, metadata)
- Develop funding allocation model:
 - Focus on who participates, not funding mechanism

Plan Activities

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- Host User Needs Input Sessions
 - State and federal agencies
 - Regional and municipal agencies
 - Private sector
- Finalize and Distribute Online User Needs Survey
- Compile Results
 - Integrate results from input sessions and online survey
- Research Vendor Options
 - Identify options for source acquisition, licensing options
- Develop Funding Allocation Model
 - Funding by all stakeholders
 - Funding by all participating state agencies
 - Funding by primary state agency stakeholders (DOT, DOS, DRA)
- Finalize Plan

Project Working Group

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- Catherine Callahan, NH F&G
- Glenn Davison, NHDOT
- Ken Gallagher, NHOSI
- Sean Goodwin, NHDOS
- Hamilton McLean, NHDES
- Fay Rubin, UNH GRANIT
- Tim Scott, NHDOS
- Sara Siskavich, NRPC

Estimated Budget Requirements

Preliminary budget:

Category	Estimate
Personnel (fully loaded)	\$24,660
Travel	\$675
Total	\$25,335