

Request for Proposal

Spatial Modeling and Strategic Planning

Published 2023-10-04

Introduction

Nawiinginiikiima Forest Management Corporation (NFMC) holds Sustainable Forests Licenses (SFLs) for the Pic and White River Forests in North Central Ontario. NFMC actively manages both forests and internally completes all planning, silviculture, and monitoring. NFMC is seeking non-consulting support for development and delivery of the forthcoming Pic and White River Forest Management Plans (FMPs). For more information about NFMC, visit our website at: nfmforestry.ca

This request for proposal includes details related to the scope of services required, along with information required for proponents to refine proposals.

Services Required

NFMC requires the non-consulting services of a spatial modeling firm to support the development of the Pic and White River Forests FMPs. Specifically, development of the Long-Term Management Direction (LTMD), and tactical harvest planning. Services will include:

- Model training for members of the Modeling and Analysis Task Team and other plan contributors as required to understand and interpret model inputs, processes, and outputs.
- Model development, calibration, and scoping.
- Production of materials to analyse management alternatives.
- Tactical adjustments to harvest allocations and final determination of sustainability.

Processes, materials, and timelines must adhere to the requirements of the regulated manuals pursuant to the Crown Forest Sustainability Act. Predominantly, the Forest Management Planning Manual (FMPM), but also associated planning manuals and policies.

Forest Management Plans and Planning Timelines

Figure 1 provides an overview of the planning and development timelines associated with the Pic and White River Forest Management Plans.

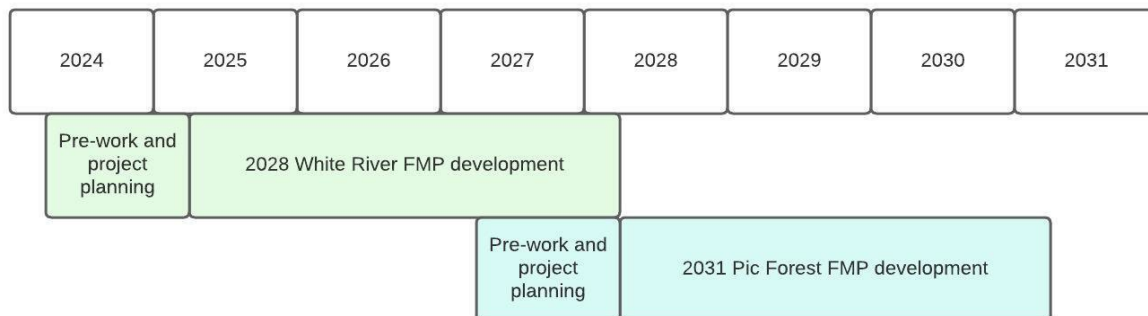


Figure 1: FMP Development Timelines

Spatial Model

NFMC has selected Patchworks™ as the spatial model to be used for plan(s) development. For more information on the Patchworks model, visit Spatial Planning Systems at: spatial.ca

NFMC to Provide

The intent of this section is to provide proponents information to help define the scope of work. The following will be provided by NFMC:

- **Planning Team Members:** We expect that representatives of the successful firm will work closely with NFMC. Representatives of the successful firm will attend Modeling and Analysis Task Team and Planning Team meetings as required.
 - Plan Author: NFMC will provide a Registered Professional Forester (R.P.F.) who will be the plan author.
 - GIS Technician: NFMC will provide a GIS Technician to support plan development and approval.
- **Planning Products:** NFMC will develop and produce all plan products except for modeling files, and outputs created through the development, processing, or execution of the model. Products provided by NFMC include:
 - Spatial Files: Forest inventories, modeling inventories, areas-of-concern, roads, final plan layers, etc.
 - Note: NFMC to be delivered a T2 Forest Resource Inventory (FRI) in early 2024 containing LiDAR derived attributes.
 - Maps: All mapping products related with planning and plan production.
 - Textual Products: Including Plan Text, Tables, Supplemental Documentation, and Analysis Package.
 - Data Products: NFMC is unfamiliar with Patchworks™ data input files. However, NFMC would be responsible for development of data such as:
 - Natural and post-harvest succession rules, renewal intensities, yield, product proportions, strategic management zones, etc.

Proposals to Include

Proposals will be evaluated utilizing qualitative assessments based on completeness, clarity, and demonstrated competency of the items below.

Category or Criteria	Description of Criteria	Points
Business Responsiveness	Proponent demonstrates competency in Ontario Forest Management planning process, timelines, and resource requirements to meet those timelines.	15
Local Knowledge	Proponent demonstrates competency in Ontario Forest Management planning process, applicable legislation, policy, guidelines, and familiarity in data products and analytic tools provided by the Ontario Ministry of Natural Resources and Forestry as they apply to the Pic and White River Forests. Proponent provides a demonstrated clear understanding of the services required, approach to project planning and process.	15
Local Materials/Content	Proponent will have a user license agreement with Spatial Planning Systems to use the Patchworks™ model.	5

Category or Criteria	Description of Criteria	Points
Intellectual Property	The proponent will ensure that NFMC retains and can access all Intellectual Property created through the planning process.	5
Model Acuity	Demonstrated competency utilizing the Patchworks™ model in a forest management application.	10
Project Team	Proponent provides documentation of the project team including their associated credentials and experience.	5
Project Plan	The proponent provides a project plan including timelines, milestones, tasks, and touchpoints. Including allotments for pre-planning and inventory assessment prior to the start of the formal planning process.	15

Assessment of cost is a quantitative assessment; the lowest cost will be awarded maximum points; others will be awarded points equal to the proportional change in proposed cost (i.e. 10% higher cost will be awarded 10% lesser points)

Category or Criteria	Description of Criteria	Points
Cost	<p>The predicted total project cost in Canadian dollars.</p> <ul style="list-style-type: none"> Hourly rates for each member or rate-group of the project team and an estimation of the hours by member or group to complete tasks detailed in the project plan. A summation of the hours-by-rate representing the estimated total project cost. A predicted margin of confidence about which the total project cost may vary. 	30

Submission Deadline and Details

Proposals must be received via email not later than **December 29th, 2023**.

Proposals may be sent to:

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Please contact the same if you have any questions or require more information.