



Native Plant  
Solutions

## Green Roofs

Green roofs are sprouting up in cities across Canada. They inject a spot of green into urban landscapes and take nature to new heights.

### Why choose a green roof?

**Water conservation** — Because they can retain much more rainfall than conventional roofs, green roofs improve the water quality and reduce the volume of stormwater runoff into our sewer systems.

**Economic advantage** — Green roofs improve energy consumption by acting as building insulators to reduce heating costs in winter and by lowering cooling costs in the summer, thereby moderating the 'heat island effect'. They can also form a protective layer extending the life of a roof membrane.

**Community and biodiversity benefits** — Green roofs reduce the visual footprint of buildings, making urban centres a more attractive place to work and live. They provide habitat for insects and birds, bringing nature closer to city dwellers. Transpiration by plants and surface evaporation also have a cooling effect in the immediate vicinity, reducing summer temperatures and turning rooftops into usable public spaces.

### Our services

NPS can manage your project from start to finish. This includes site design, plant selection and procurement, tender package preparation, construction services, native plant seeding, plant establishment services and ongoing site management. We can also provide:



- ✔ Site assessment
- ✔ Weed suppression strategies and weed control
- ✔ Post-planting management
- ✔ Operational and maintenance manuals at the time of project handoff
- ✔ Communication and marketing support for our clients and their clientele

### Why choose Native Plant Solutions?

To successfully establish a green roof, an understanding of biological systems and their processes is essential. **Key factors that determine the success of a green roof include:**

- ✔ Selection of the appropriate native plant species is based on the specific roof conditions
- ✔ An understanding of nutrient requirements for species growing in a customized growth media
- ✔ A sound establishment and maintenance plan, so seeds of unwanted weed species do not take hold

We understand the significance of these factors and incorporate them into building a successful green roof product for you. Our team consists of professionals specializing in upland plant ecology, plant establishment, soil science and engineering. We possess the solid experience required to design and establish a green roof successfully.

To learn more about NPS, our projects and expertise, visit [nativeplantsolutions.ca](https://nativeplantsolutions.ca)