



## Ecoroof EdVenture

PROJECT:	Edmonton Valley Zoo – EdVenture Lodge
LOCATION:	Front Plaza Buildings, EdVenture Lodge and Cafe, Edmonton Valley Zoo, 13315 - Buena Vista Rd
BUILDING TYPE:	Commercial – Education centre and cafe
TOTAL ROOF AREA:	860 m <sup>2</sup>

### Ecoroof details

ECOROOF AREA: 166 m<sup>2</sup>  
DIRECTION: South facing  
STOREY: 1  
YEAR INSTALLED: 2014  
NEW BUILD OR RETROFIT:  
New build  
TYPE OF ECOROOF:  
Unknown  
ECOROOF SYSTEM: Pre-grown modular trays  
SUBSTRATE DEPTH: 10 cm  
PLANTS: Sedum species  
ACCESS: Not accessible to the public. EdVenture Lodge – indoor roof hatch. Cafe – portable ladder

### Description

The ecoroof is located at the entrance to the Edmonton Valley Zoo. It goes hand-in-hand with the Rammed Earth Wall at the front depicting the banks of the North Saskatchewan River with the green at top of bank being represented by the ecoroof.

### Challenges

There were no challenges experienced with the design or construction of this ecoroof. From a maintenance perspective this ecoroof is irrigated so it is very low maintenance when it comes to watering. There are weeds present in some areas of the ecoroof, but for the most part the plant community has remained the same.

### Benefits

This ecoroof provides urban green space and reduces winter heating costs for the EdVenture Lodge. Its installation was motivated by a desire to obtain points for LEED certification for the building, as well as address stormwater management at the site. The ecoroof is not publicly accessible but is enjoyed visually by visitors of the zoo. Since this building is a new build, there is no baseline data on the benefits of this ecoroof with regard to energy consumption, stormwater management, etc.

### Lessons Learned

Building ecoroofs as part of an art installation can enhance the aesthetic of an area greatly and provide visual connectivity.