

GREEN ROOF PILOT PROJECT

What is a green roof?

A green roof is a roof with a suitable gradient that is planted with low growing, drought resistant, indigenous vegetation in a shallow, light-weight growing medium.

What does a green roof do?

REDUCES SURFACE RUN-OFF

- ⦿ The soil and plant layer of green roofs absorb water.

REDUCES TEMPERATURES

- ⦿ Green roofs reduce the temperature of the city as plants absorb the sun's rays and cool the city through evaporation.
- ⦿ Green roofs reduce the temperature of buildings through shading and evaporation of water.

REDUCES CARBON DIOXIDE

- ⦿ Climate change is the result of increased levels of greenhouse gases in the atmosphere.
- ⦿ The main greenhouse gas is carbon dioxide.
- ⦿ Green roof plants absorb carbon dioxide when they photosynthesize.
- ⦿ Air conditioners are used less, due to the temperature reduction of buildings with green roofs.
- ⦿ This reduces the electricity used in these buildings, thereby decreasing the production of carbon dioxide.

INCREASES INNER-CITY BIODIVERSITY

- ⦿ Green roofs increase inner-city biodiversity by using many different indigenous plants which attract birds and insects.

For further details and an Information Pamphlet please contact:

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DMOSS
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