

Tangible Benefits

Intangible Benefits

Urban Heat Island Effect

Health & Wellness

Decreased Storm Runoff

Aesthetics & Community

Energy Savings & Efficiency



Noise Reduction

Capital Gains & L.E.E.D.

Biodiversity & Habitat

Improved Air Quality

Greywater Remediation

1. Reduced Urban Heat Island Effect (UHI): Mitigates UHI by reflecting solar radiation otherwise absorbed by roof surfaces.

2. Decreased Storm Water Runoff: Capable of retaining 60 to 100% of water during a rain event.

3. Energy Savings & Efficiency: Thermal Performance (heat flow through roof) is reduced by 70-90% in the summer and 10-30% in the winter.

4. Capital Gains & L.E.E.D.: Increases lifespan of traditional roofing membranes and building facades up to 4x. Account for up to 20 L.E.E.D. points

5. Improved Air Quality and Reduced Airborne Particulates: Plants capture airborne pollution through absorption and adhesion to the plant surfaces.

6. Greywater Remediation: Plants mitigate toxins, molecules and other compounds found in greywater, leading to reuse.

7. Sustaining Biodiversity: Promotes important ecological functions such as pollination, decomposition, and pest control.

8. Improved Sound Insulation: Vegetation, growth medium, and trapped air can increase the effectiveness of building sound insulation by absorbing or reflecting sound frequencies.

9. Aesthetics, Public Relations and Recreational Green Space: Easy and effective way to beautify the built environment, increase aesthetic value and functionality.

10. Health & Wellness: Studies show plants contribute considerably to human health and well being by reducing stress and improving health.