**Ecosystem Type: CREATED GREENSPACE**

**Category: Clean Air**

1. **Materials**

***Supplier*** – Cities are starting to utilize the terrestrial plants in created greenspaces to help improve overall air quality (Beer, 2010).

***Driver*** – not applicable

***Demander*** – not applicable

1. **Nutrition**

***Supplier*** – not applicable

***Driver*** -not applicable

***Demander*** - not applicable

1. **Energy**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** – not applicable

1. **Mediation of Waste, Toxics, and Other Nuisances**

***Supplier*** – Terrestrial plants in created greenspaces, such as urban trees, help removal pollutants such as ozone, carbon monoxide, nitrogen dioxide, and sulfur dioxide (Nowak, Crane, and Stevens, 2006). In fact, it has been found that urban trees in the United States have been able to remove several hundreds of thousands metric tons of air pollution.

***Driver*** – not applicable

***Demander*** – not applicable

1. **Mediation of Flows**

***Supplier*** – Created greenspaces, such as urban parks, have been found to generate a local airflow, contributing to overall air quality (Eliasson and Upmanis, 2000).

***Driver*** – not applicable

***Demander*** – not applicable

1. **Maintenance of Physical, Chemical, and Biological Indicators**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** – not applicable

1. **Spiritual, Symbolic, Religious, and Social Experiences**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** – not applicable

1. **Physical and Intellectual Interactions w/ Biota, Ecosystems, and Land/Seascapes**

***Supplier*** – not applicable

***Driver*** – not applicable

***Demander*** - not applicable

**Sources:**

Beer, A.R. (2010) Greenspaces, Green Structure, and Green Infrastructure Planning. *Urban Ecosystem Ecology,* 431-448. DOI: 10.2134/agronmonogr55.c21. [abstract only]

Eliasson, I. and Upmanis, H. (2000) Nocturnal Airflow from Urban Parks-Implications for City Ventilation. *Theoretical and Applied Climatology, 66*(1-2), 95-107. <https://doi.org/10.1007/s007040070035>. [abstract only]

Nowak, D.J., Crane, D.E., and Stevens, J.C. (2006) Air pollution removal by urban trees and shrubs in the United States. *Urban Forestry & Urban Greening, 4*(3-4), 155-123. <https://doi.org/10.1016/j.ufug.2006.01.007>. [abstract only]