



STORMWATER ACTION CENTER FACT SHEET

Name of Project:

EPA Region 7
Headquarters

Location:

Lenexa, Kansas

County:

Johnson County

Watershed:

Mill Creek Watershed

Website:

www.landscapeperformance.org/case-study-briefs/epa-region-7-headquarters

EPA REGION 7 HEADQUARTERS – LENEXA, KANSAS

OVERVIEW:

The Environmental Protection Agency (EPA) Region 7 Headquarters in Lenexa, Kansas, exemplifies principles of stormwater management through green infrastructure and demonstrates an attractive landscape that requires little water and overall maintenance.

BENEFITS:

- Reduces peak runoff rates for a 2-year, 24-hr storm by an estimated 48.5% (48.81 cfs), and runoff volume by 44.3% (209,754 cu ft) as compared to a conventional turf landscape
- Removes an estimated 47% of nitrogen, 41% of phosphorus, and 66% of total suspended solids as stormwater passes through the system. Also removes an estimated 59% of chloride, 29% of calcium, and 56% of sodium
- Saves approximately 19.8 million gallons annually of potable water through the use of native grasses, saving about \$105,800 in municipal water costs
- Sequesters an estimated 33,970 lbs. of atmospheric carbon annually through the planting of 235 trees, equivalent to driving a single-passenger vehicle 37,000 miles. The tree canopies also intercept an estimated 65,220 gallons of stormwater runoff annually.

FUNDING SOURCES:

- Most likely the federal government



-  - Water Storage
-  - Bio-Filtration/Green Infrastructure
-  - New/Improved Drainage Infrastructure

