Benefits of Street Trees

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- 1. Climate and effects on atmosphere:
 - Temperature reduction and shade
 - Reduction in windspeed
 - Hydrological effects



http://www.petenelson.com/Photos/Misc/House%20in%20Austin/Storm,%2010-04-2004/TexasThunderstorm_10042004_01.jpg

- 2. Improvement in air quality, via pollutant interception:
 - Gaseous pollutants (O_3 , NO_x , SO_2 and CO_2)
 - Carbon sequestration
 - Particulate interception
 - Noise reduction



trendsupdates.com/wp-content/uploads/2009/05/trees-and-traffic.jpg

3. Health:

[Medicinal / psychological] [Some benefits associated with the foregoing]

- rates of asthma
- lung and coronary disease (PM₁₀ etc.)



farm4.static.flickr.com/3226/2721160516_174f3b316b.jpg

- 4. Cultural / Community:
- Direct use of street trees
- Intertwining of street trees with peoples' lives

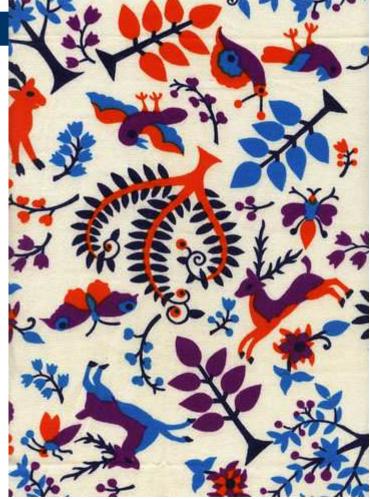
Nice To See You How Trees Build a Neighborhood

Green spaces entice neighbors outdoors on a regular basis, where they build friendship and ties to one another.



www.lhhl.uiuc.edu/images/NicetoSeeYou.jpg

• wildlife



Courtesy: 'One Good Bumblebee' fabric

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saving water and helping Where we air quality sustainability improvement are how ! benefits : objects of downstream intergenerational value habitats wildlife value political gaseous pollutant districts of value hydrology / interception higher sociowater saving economic value carbon sequestration fewer crimes particulate financial value E comitted ? interception noise reduction community ()embracement cooling cultural mental inspiration mental calmness benefits windspeed inancial savings reduction emotional health benefits benefits