

# Weather and the Built Environment

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# *Weather and the Built Environment.*

- Past and current U.S. growth trends.
- Impacts on watersheds and “low impact” development.
- Urban heat island formation and mitigation.
- Air Quality sources and conditions.

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## Weather and the Built Environment

### UNIT 3: Impact on the Atmosphere

- The Urban Heat Island Effect
  - Heat and the City
  - Albedo, Emittance, and Stored Energy
  - Plants and Evapotranspiration
  - Waste Heat
  - Climatology
- Air Quality and Airborne Pollution
- Take Aways and References




Photo by Dr. Edwin P. Ewing, Jr./US CDC

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# *Weather and the Built Environment.*

Free online (Free registration required):  
[http://www.meted.ucar.edu/bmet\\_training.php](http://www.meted.ucar.edu/bmet_training.php)

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**albedo: reflected radiation**

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