

# Section 6.22 of SL 2007-323: Limit Impervious Surfaces for Vehicle Parking

Environmental Review Commission

November 27, 2007



## Section 6.22 of 2007 Budget Bill

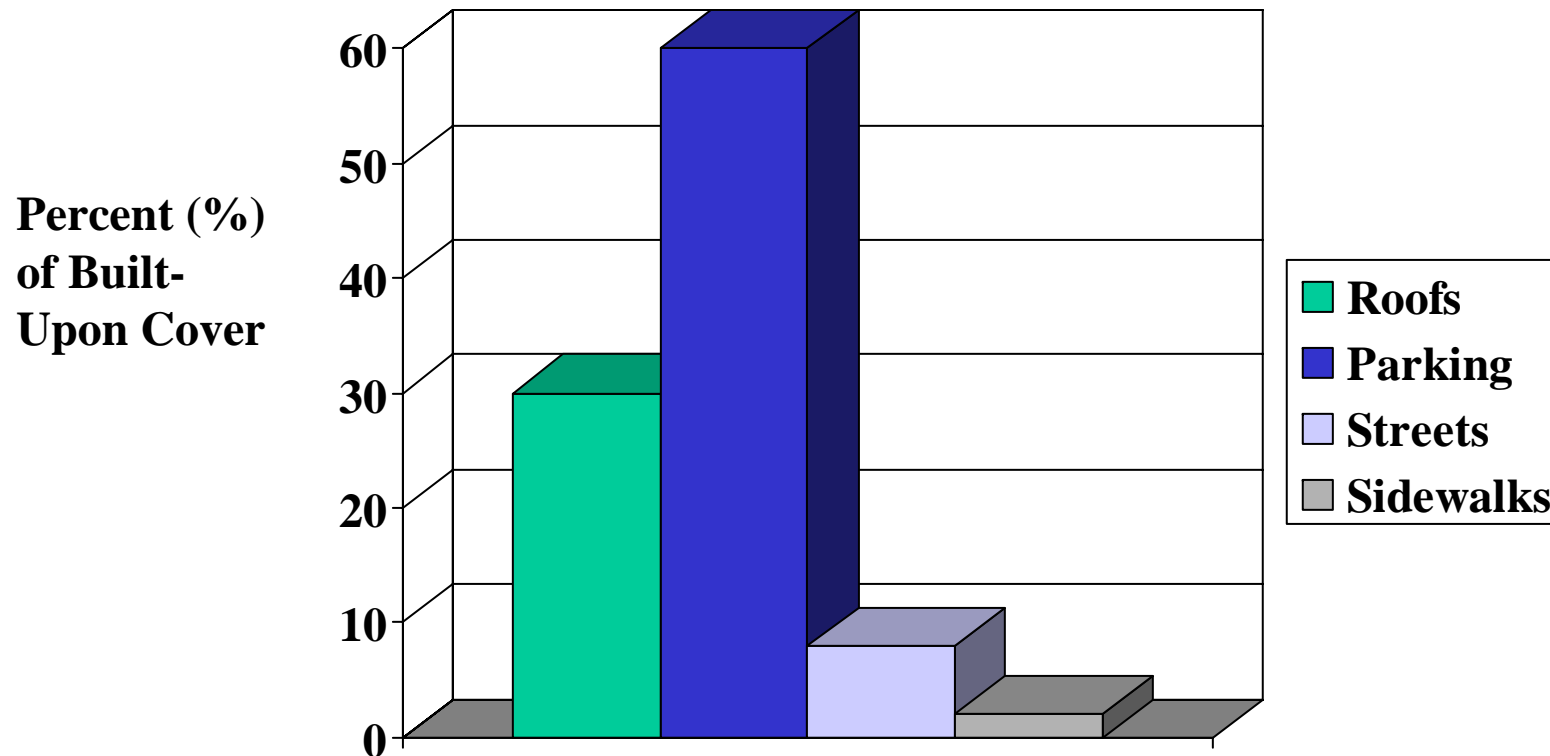
- Statewide application.
- Affects all new uncovered vehicle parking areas:
  - Commercial
  - Residential
- Requires:
  - 20% of parking area to be permeable pavement, or
  - Runoff from 20% of area to go to s/w management
- Effective date: October 1, 2008

# Why control stormwater runoff from parking areas?



# Why parking areas?

## Commercial Property Imperviousness



# What is Permeable Pavement?

Paving material that allow stormwater to infiltrate

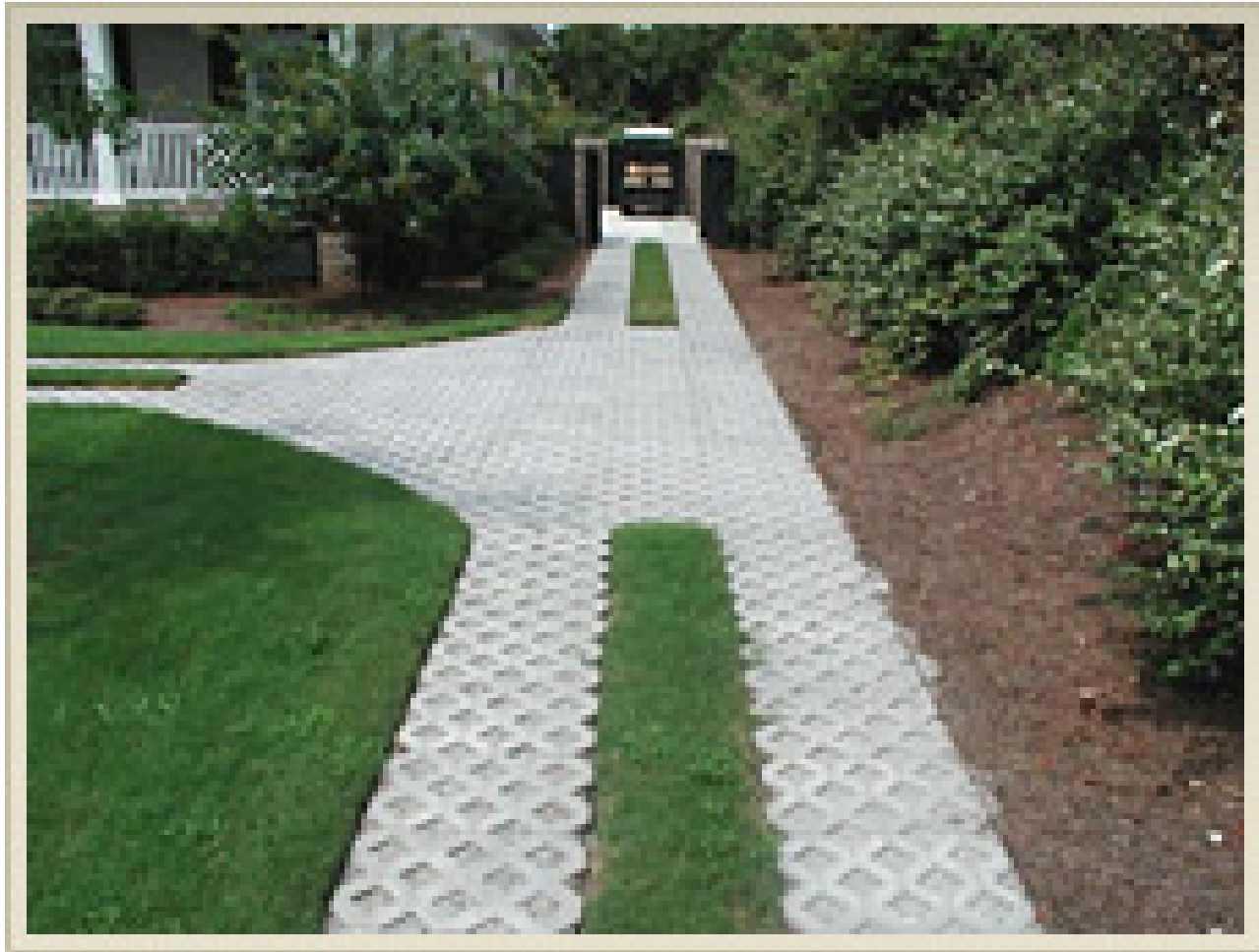


Porous asphalt





Porous concrete



Concrete pavers

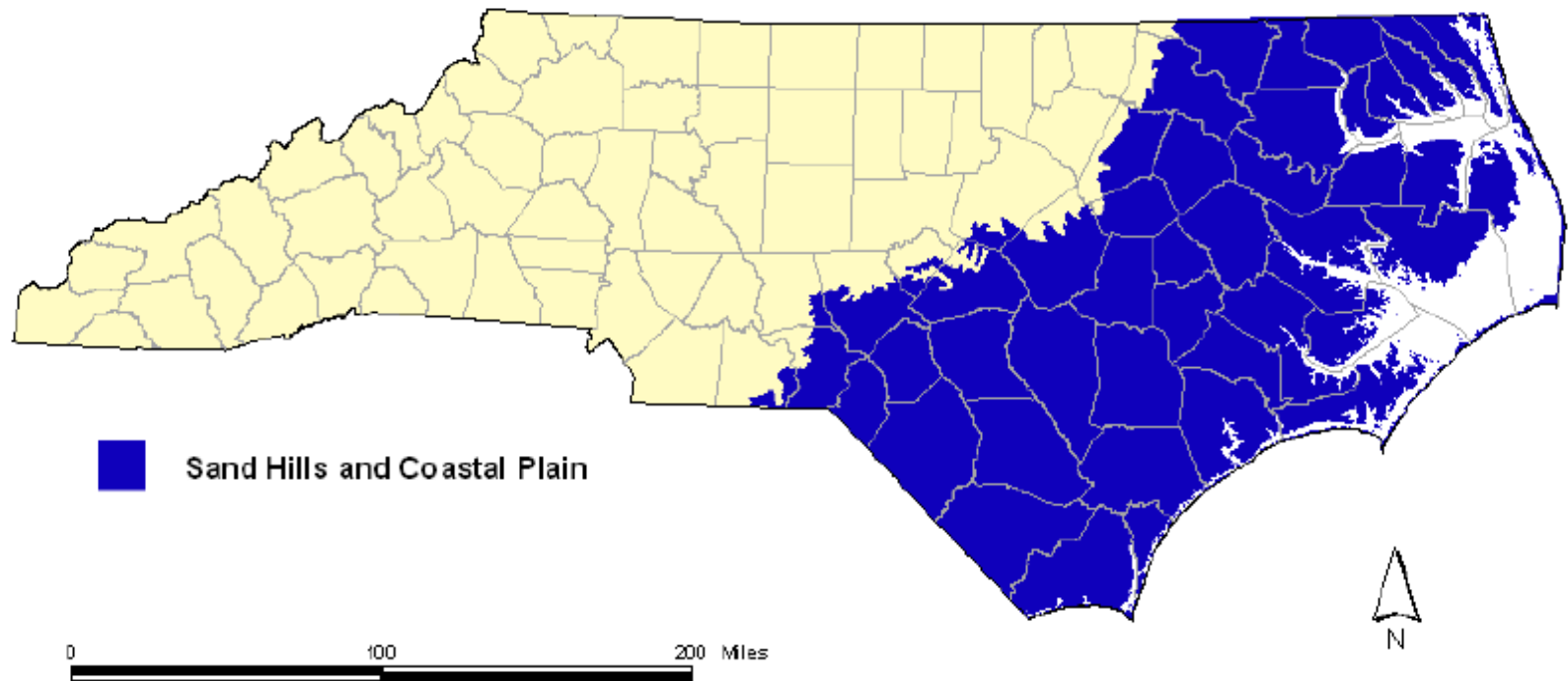
This is not permeable pavement.



Compacted gravel is not considered permeable.



# Where do soils support permeable pavement installation?



Outside of sand hills and coast other procedures could be used.

This system would work.



Uncompacted grass.



Rain garden in parking lot island.



Rain garden in residential setting.





Rain Water Cistern for Reuse

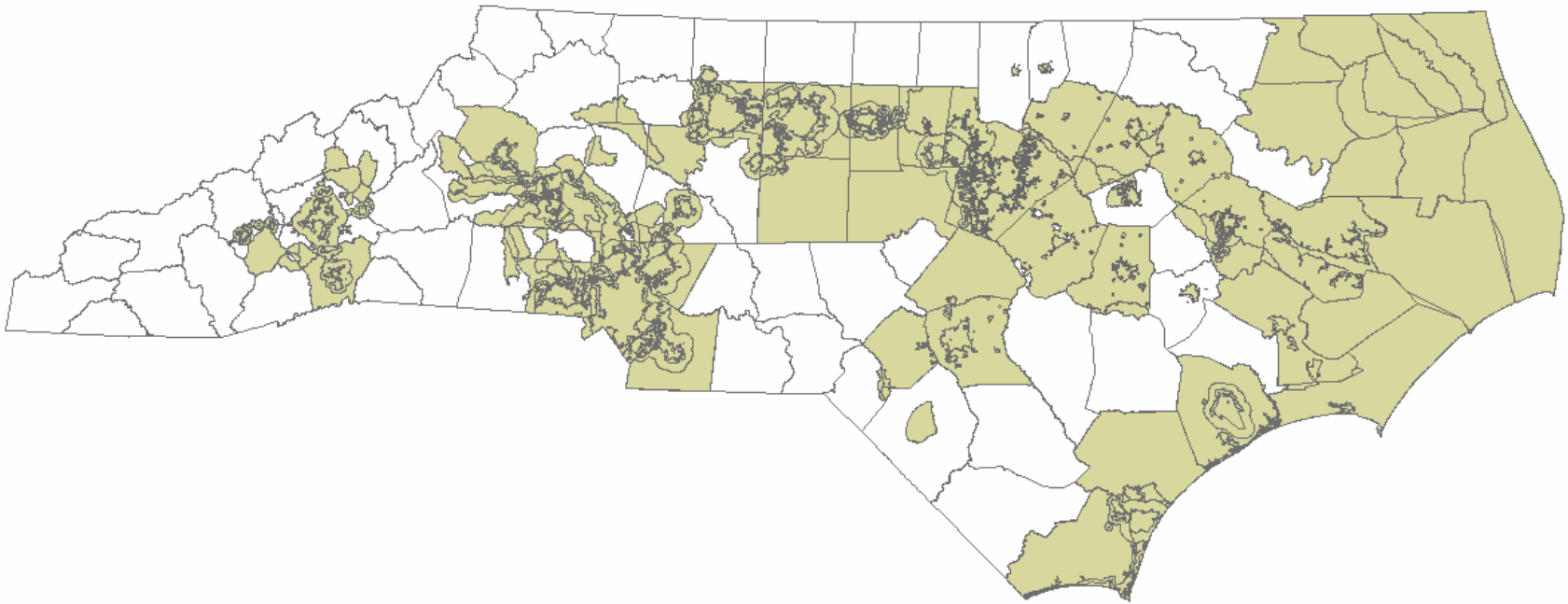


# What will this cost?

- Permeable Pavement
  - Pervious concrete - \$45.00 per square yard
  - Traditional concrete - \$33.50 per square yard
- Cistern – Water harvesting
  - Approx. \$3500 per acre of parking area
- Rain Garden
  - Approx. \$4.00 per square foot.

# Where could this have the biggest impact?

Areas that do not implement stormwater controls.



Unshaded areas on map have limited experience with stormwater controls.

# Items to consider in future discussions

- Limitation of applicability to 20% of area.
- Opportunities to promote water reuse.
- How best to implement.

# For more info contact:

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