NYC GREEN CODES
LEGISLATION AT A GLANCE

GCTF Proposal
Reduce CO2 Emissions from Specialized Concrete

Implemented
Local Law 141 of 2013

Summary
The NYC Building Code limits the amount of recycled material that can be used in concrete exposed to de-icing chemicals. This legislation increases the allowed maximum percentage of recycled material.

New Requirements or Changes
Effective: October 1, 2014.

Amendment to Section BC 1904 of the New York City Building Code:
- Table 1904.2.3 (new Table 1904.4.2) increases the maximum allowable percentage of cementitious materials (fly ash or pozzolans) in concrete exposed to deicing chemicals from 25% to 35%, provided that the concrete is not placed during cold weather or is protected from freezing.

When multiple types of cementitious materials are combined with cement, the increase in the amount of fly ash or other pozzolans is allowable as long as the total percentage of supplemental cementitious materials does not exceed 50%.

Enforcement
This Local Law amends New York City’s Building Code. It will be enforced by the Department of Buildings in the same manner as any other element of the code.

Implementation
There are no known implementation issues for this proposal. This proposal is not expected to increase capital costs. Alternative pozzolans and cementitious materials are readily available, including fly ash and ground-granulated blast-furnace slag (GGBFS).

Some concrete suppliers and engineers may benefit from additional education in the use of supplementary cementitious materials. According to the NYC Green Codes Task Force report, The Concrete Industry Board of NYC is capable and willing to perform this task.