



NEW YORK CITY DEPARTMENT OF  
DESIGN + CONSTRUCTION

# MEMO

**DATE:** 01.08.08; Revised 09.08.08

**TO:** Z. Nazario, R.A.; T. Paino, R.A.; M. Park, AIA; R. Massey; K. Carnahan

**FROM:** John Kriebel, R.A., Director of Sustainable Design

**SUBJECT:** Design Consultant Reporting for a Local Law 86/ 2005 LEED NC 2.2 Project

Local Law 86 of 2005 (LL86) mandates that the Mayor report to the City Council each year on costs and benefits related to the Law's requirements. This memo has been prepared to detail what the Consultant must provide to help DDC meet this mandate on the large majority of its LL86 projects, i.e. projects that must achieve a USGBC certified LEED NC 2.2 rating and sometimes a minimum 20-30% reduction in energy cost as well. Other memos will clarify what the consultant should provide for those few DDC projects with different LL86 requirements, such as a LEED CI 2.0 rating or a lighting energy cost reduction. Note that, since DDC LL86 projects to date utilize energy rate structures for conventional electric, firm natural gas, and purchased steam, these rate structures are reflected in the categories below. Should another rate structure for electric, gas, purchased steam, or another energy source apply to the project, the categories must be revised accordingly.

## **Design Consultant to Provide the Following Data by the End of Design:**

### General

Invitation to the USGBC on-line website to DDC OSD Team Member and to Robert Kulikowski at [RKulikowski@cityhall.nyc.gov](mailto:RKulikowski@cityhall.nyc.gov)

Conventional Electric Provider (ConEd or NYPA)

Firm Gas Provider (Keyspan or ConEd) *or* Type of Oil (#2, #4, or #6) *or* Purchased Steam Provider (Con Ed)

Design Consultant Fee for Energy Analysis and LEED Tracking Services (\$)

Commissioning Agent Fee (\$)

Estimated LEED Registration and Filing Fees (\$)

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Baseline Annual Energy Use for LEED NC 2.2 EA1 Credits - Use LEED NC 2.2 Methodology and Indicate only Total, i.e. Regulated *plus* Non-Regulated, Loads.

Electric Usage (Kwh/yr)

Annual Electric Sum of Monthly Peak Demands (Kw/yr)

Electric Annual Peak Demand (Kw)

Gas (Mbtu/yr) or Oil (gal/yr) or Purchased Steam (mlbs/yr, summer; mlbs/yr, winter)



Design Case Annual Energy Use for LEED NC 2.2 EA1 Credits - Indicate only Total Loads.

Electric Usage (Kwh/yr)

Annual Electric Sum of Monthly Peak Demands (Kw/yr)

Electric Annual Peak Demand (Kw)

Gas (Mbtu/yr) or Oil (gal/yr) or Purchased Steam (mlbs/yr, summer; mlbs/yr, winter)

Energy Efficiency Measures (EEM)

For Each EEM Implemented, Describe and Provide:

Incremental First Cost (\$)

Annual Energy Savings (\$)

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Baseline Annual Water Use - Use LEED NC 2.1 Methodology

Potable Water (Ccf/yr)

Landscaping Water (Ccf/yr)

Wastewater (Ccf/yr)

Storm Water (Ccf/yr)

Design Case for Annual Water Use - Use LEED 2.1 Methodology

Potable Water (Ccf/yr)

Landscaping Water (Ccf/yr)

Wastewater (Ccf/yr)

Storm Water (Ccf/yr)

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*Note: the following 9 items must be reported only for projects subject to the LL86 20-30% Minimum Energy Cost Reduction Requirement, i.e. projects with construction cost greater than or equal to \$12M, as indicated in the CP for construction and regardless of whether such cost will be covered by city or non-city funds.*

Baseline Annual Energy Use – Use NC 2.1 Methodology or Local Code, Whichever is More Stringent, and Indicate only Regulated Loads.

Electric Usage (Kwh/yr)

Annual Electric Sum of Monthly Peak Demands (Kw/yr)

Electric Annual Peak Demand (Kw)

Gas (Mbtu/yr) or Oil (gal/yr) or Purchased Steam (mlbs/yr, summer; mlbs/yr, winter)

Design Case Annual Energy Use - Indicate only Regulated Loads.

Electric Usage (Kwh/yr)

Annual Electric Sum of Monthly Peak Demands (Kw/yr)

Electric Annual Peak Demand (Kw)

Gas (Mbtu/yr) or Oil (gal/yr) or Purchased Steam (mlbs/yr, summer; mlbs/yr, winter)

Total estimated additional construction cost relative to assumed baseline to achieve energy cost reduction (Sum of Incremental First Costs for EEM's above (\$))

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Cc: Margot Woolley; David Resnick; David Burney; Frank D'Arpino; Jeremy Steinberger