Shaped In-City Mitigated Price Caps for Individual DGOs

$$MSPCn = [AMPC/6 + (Rn)MDCRP(R-1)/(DCL-1)]/(1+Rn)$$

$$MWPCn = MSPCn – MDCRP(R-1)/(DCL-1)$$

Where:

MSPCn is the Monthly Summer Price Cap for DGO n

MWPCn is the Monthly Winter Price Cap for DGO n

AMPC is the Annual Mitigated Price Cap (i.e. $105)

MDCRP is the Monthly Demand Curve Reference Price for NYC ($10.66/kW-mo for Summer 2003)

R is the ratio of the Winter Capability for all Zone J generation to the Summer Capability of all Zone J generation from the most recent NYISO Load and Capacity Report (from the 2002 report R is 1.07)

DCL is the Demand Curve Length for the New York City Locality compared to the Locational Requirements for the NYC Locality (through the 2005/2006 Capability Year this length is 1.18 in per-unit terms)

Rn is the ratio of the total Winter Capability for all mitigated generation of owner n to the total Summer Capability all mitigated generation of owner n from their most recent DMNC test data as available 3 months prior to the applicable Capability Year (for the 2003/2004 Capability Year, this DMNC data is for the 2001/2002 Winter Capability Period and the 2002 Summer Capability Period.)

Notes:
All values are on an Installed Capacity basis and will be translated to Unforced Capacity terms on a revenue neutral basis in accordance with Installed Capacity Manual Procedures and using the EFORd translation values as posted on the Installed Capacity Markets page of the NYISO website under the applicable Capability Period.

The derivation of the above equations is based on the following relationship

$$MSPCn*SDMNCn*6 + MWPCn*WDMNCn*6 <= SDMNCn*AMPC$$

Where SDMNCn and WDMNCn are the respective total Summer and Winter capabilities for all mitigated generation of owner n.