Algorithm Option A

DESC 3/10/2012
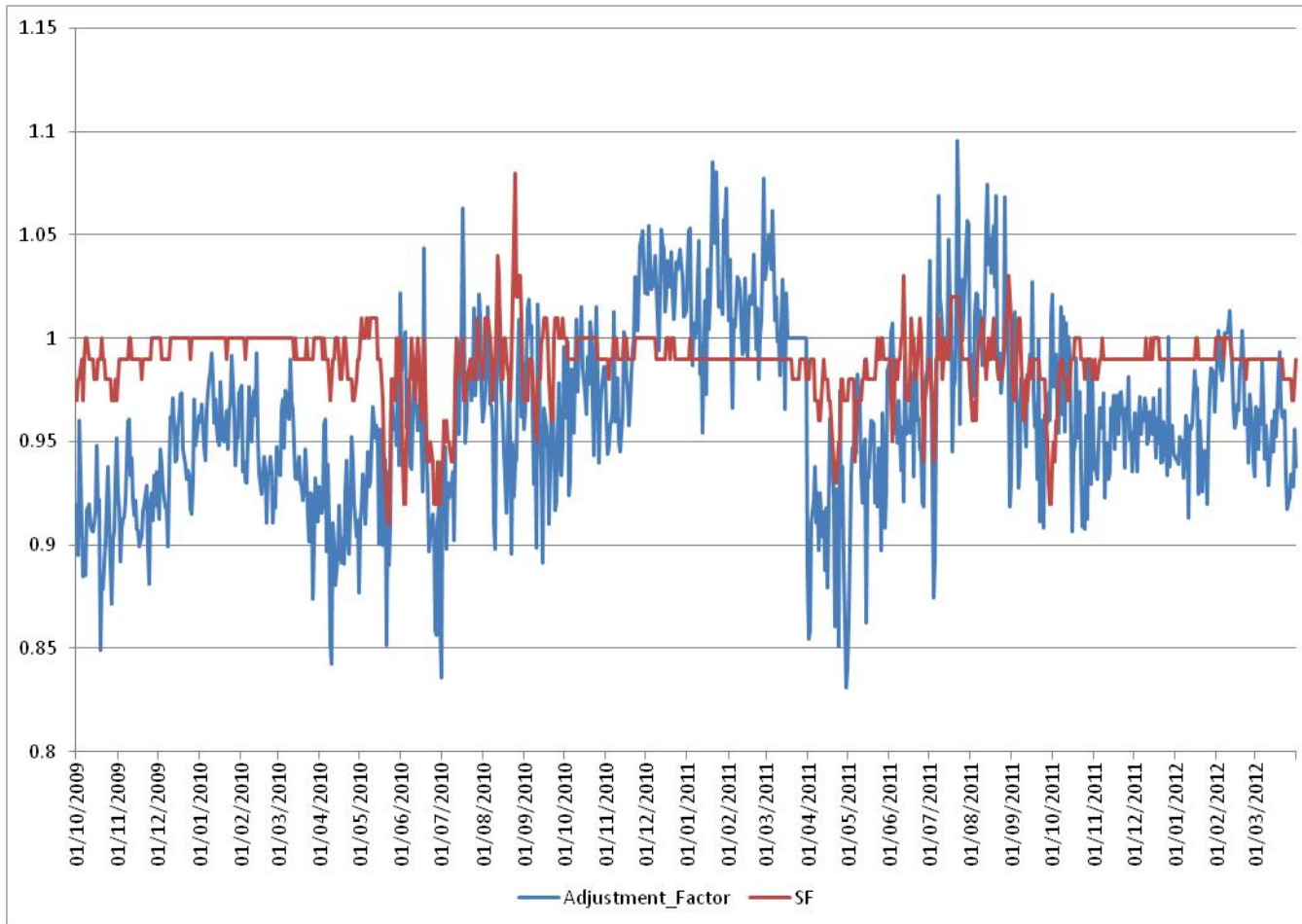
Option A

$$Demand_{T_{LDZ}} = \left[\sum^{LDZ}\left(\frac{AQ_{EUC}}{AQ_S} \times \sum_0^{n_S} MD_S\right) + Demand_{1_T} + Demand_{2_T}\right] \times AF$$

- Data used:
    - Sample daily consumption
    - Total NDM consumption taken from Nationalgrid website
    - Sample AQ by EUC
    - Total AQ – Quarterly snapshot by EUC
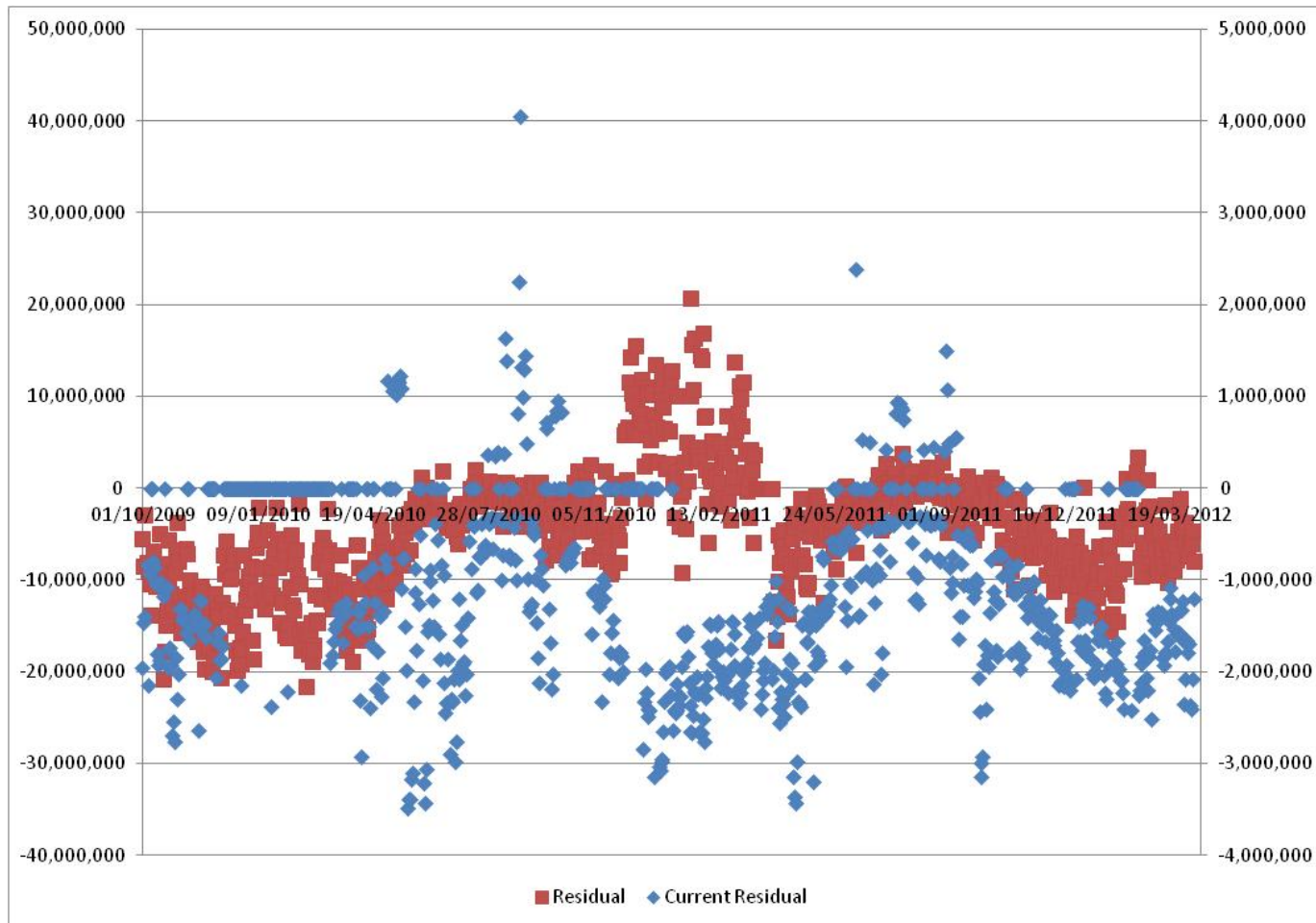
    - Demand $_{1T}$, and Demand$_{2T}$ assumed zero
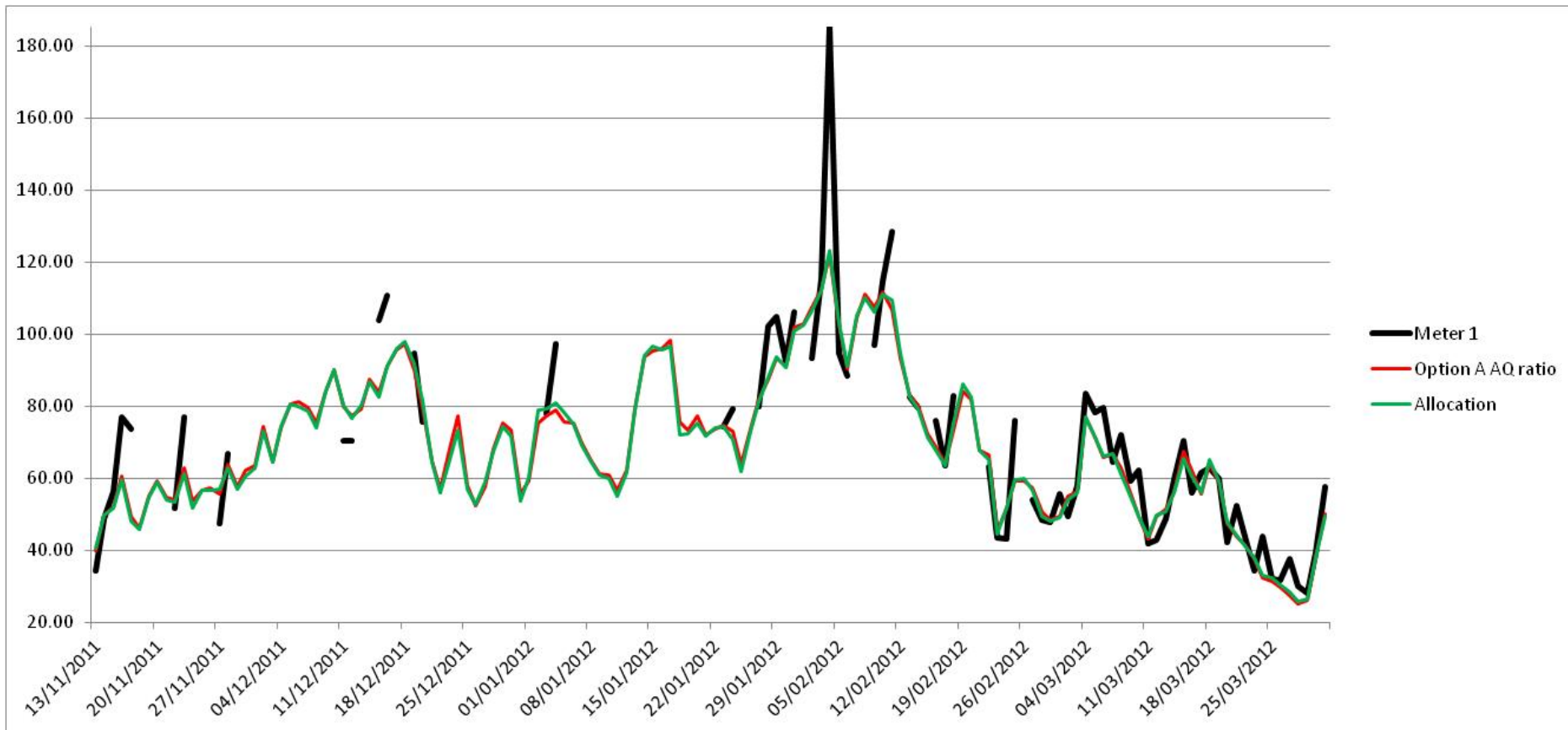
Scaling Factor Vs Adjustment Factor

OPTION A	MAPE
Oct 9-Sep 10	6.59%
Oct 10-Sep11	3.88%
Oct 11 on	4.37%

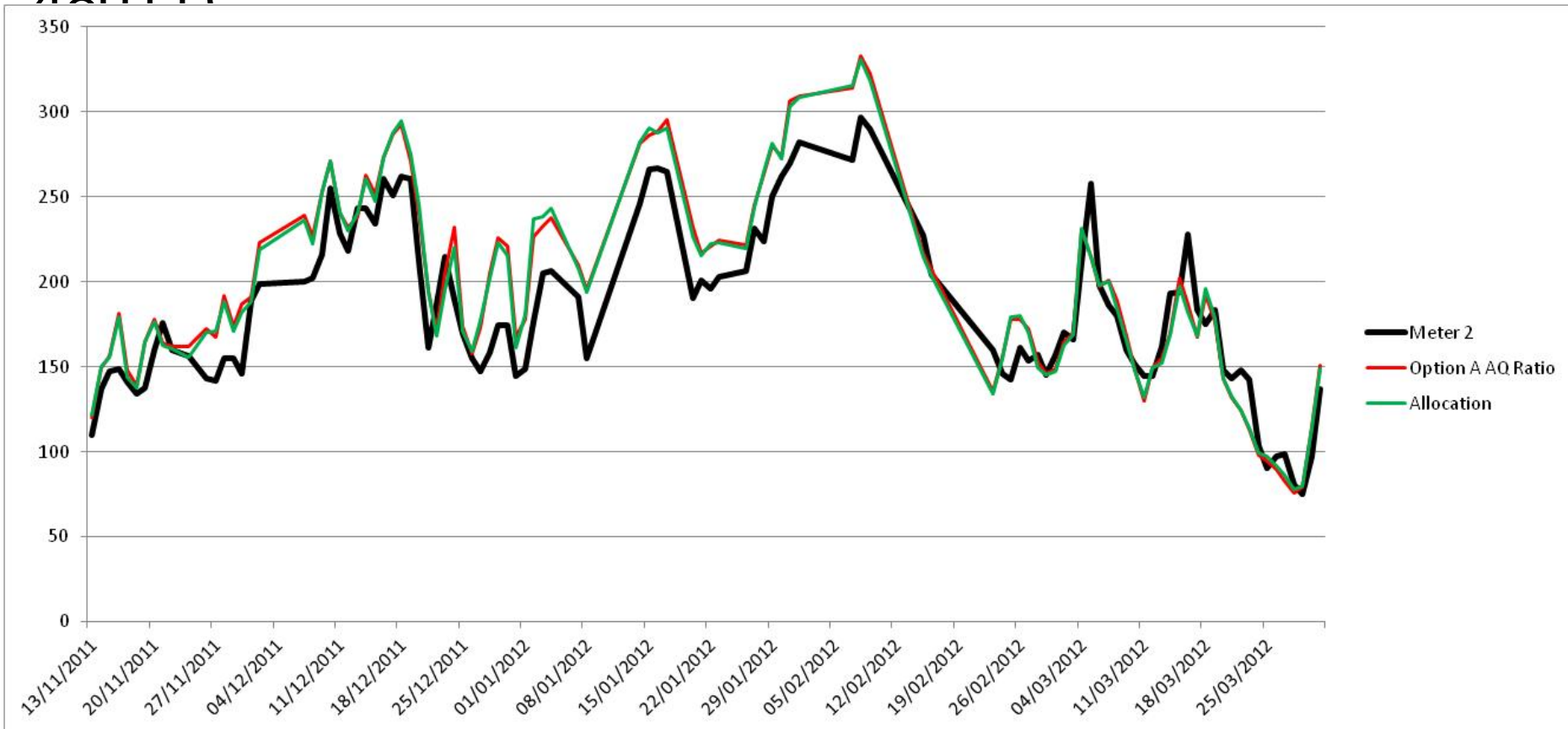| Current	MAPE
Oct 9-Sep 10	1.50%
Oct 10-Sep11	1.46%
Oct 11 on	1.14%

Residuals

Site by Site comparison with Smart data – Meter 1 (AQ

Site by Site comparison with Smart data – Meter 2 (AQ 48011)

Site by Site comparison with Smart data – Meter 3 (AQ 11139)