

## Dutch proposal for simple equations

- 5.2.3 The applicable WNTE Adjustments expressed in g/kWh shall be determined using the following equations:

– for NO<sub>x</sub>:  $WNTE \text{ Adjustment} = 0,25 * EL + 0,1$  (1)

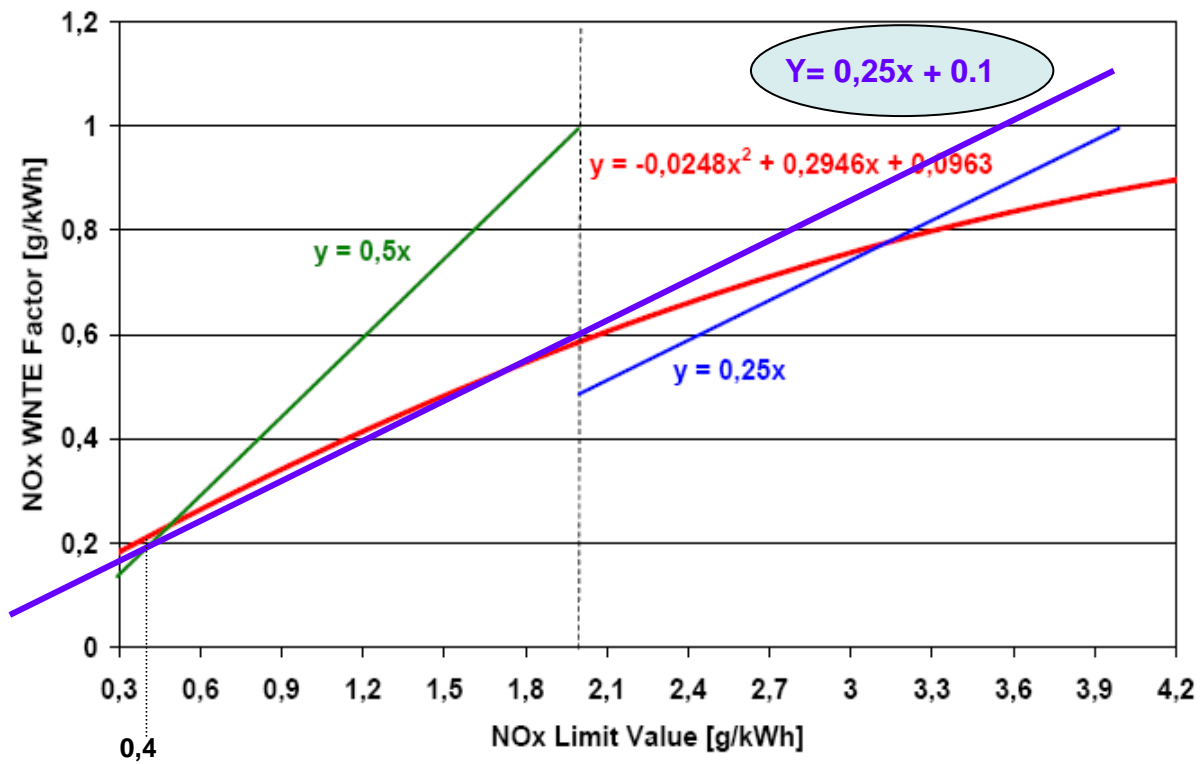
– for HC:  $WNTE \text{ Adjustment} = 0.15 * EL + 0.07$  (2)

– for CO:  $WNTE \text{ Adjustment} = 0.25 * EL$  (3)

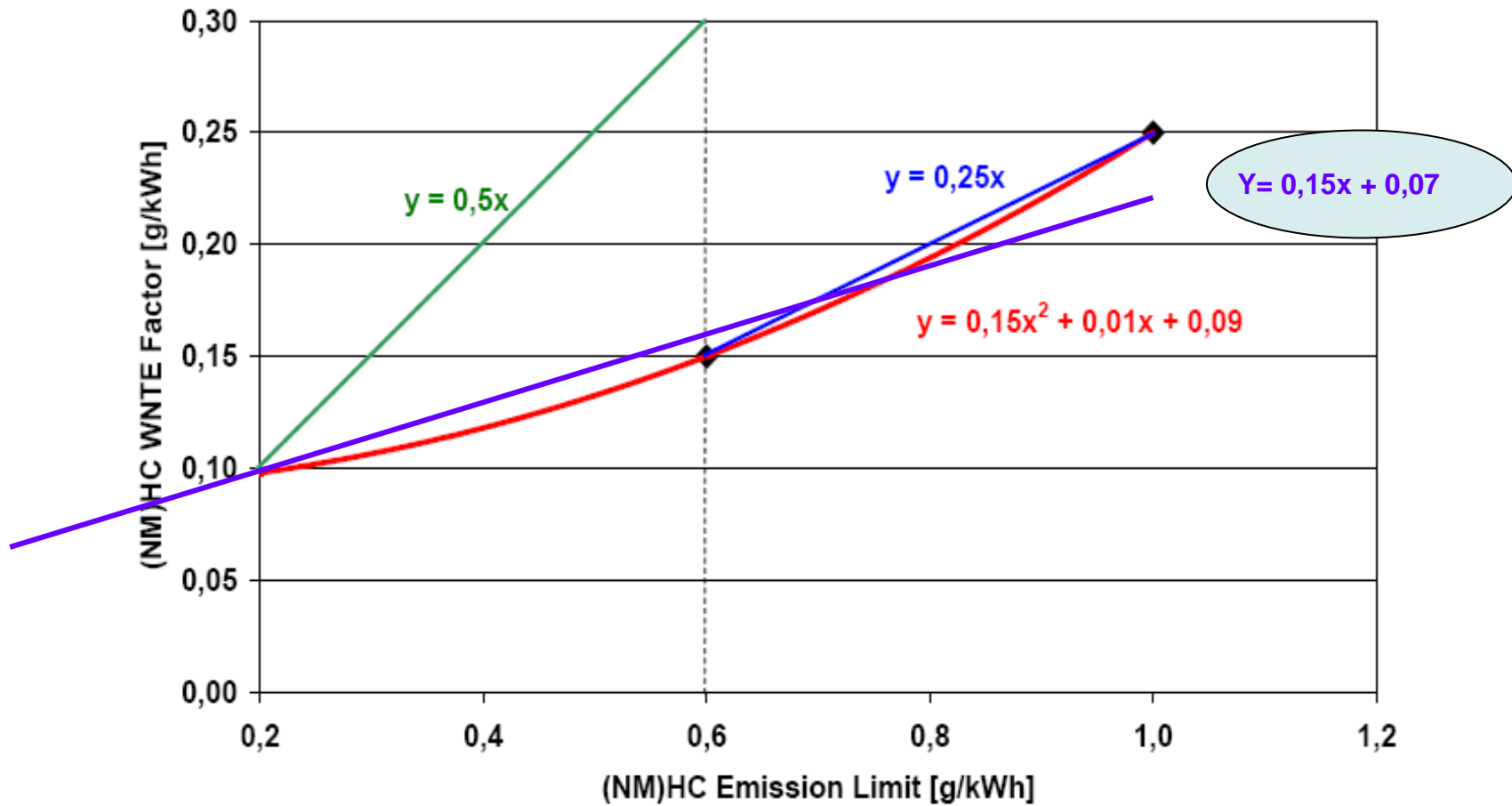
– for PM:  $WNTE \text{ Adjustment} = 0,25 * EL + 0.0025$  (4)

# Modified simple NOx equation

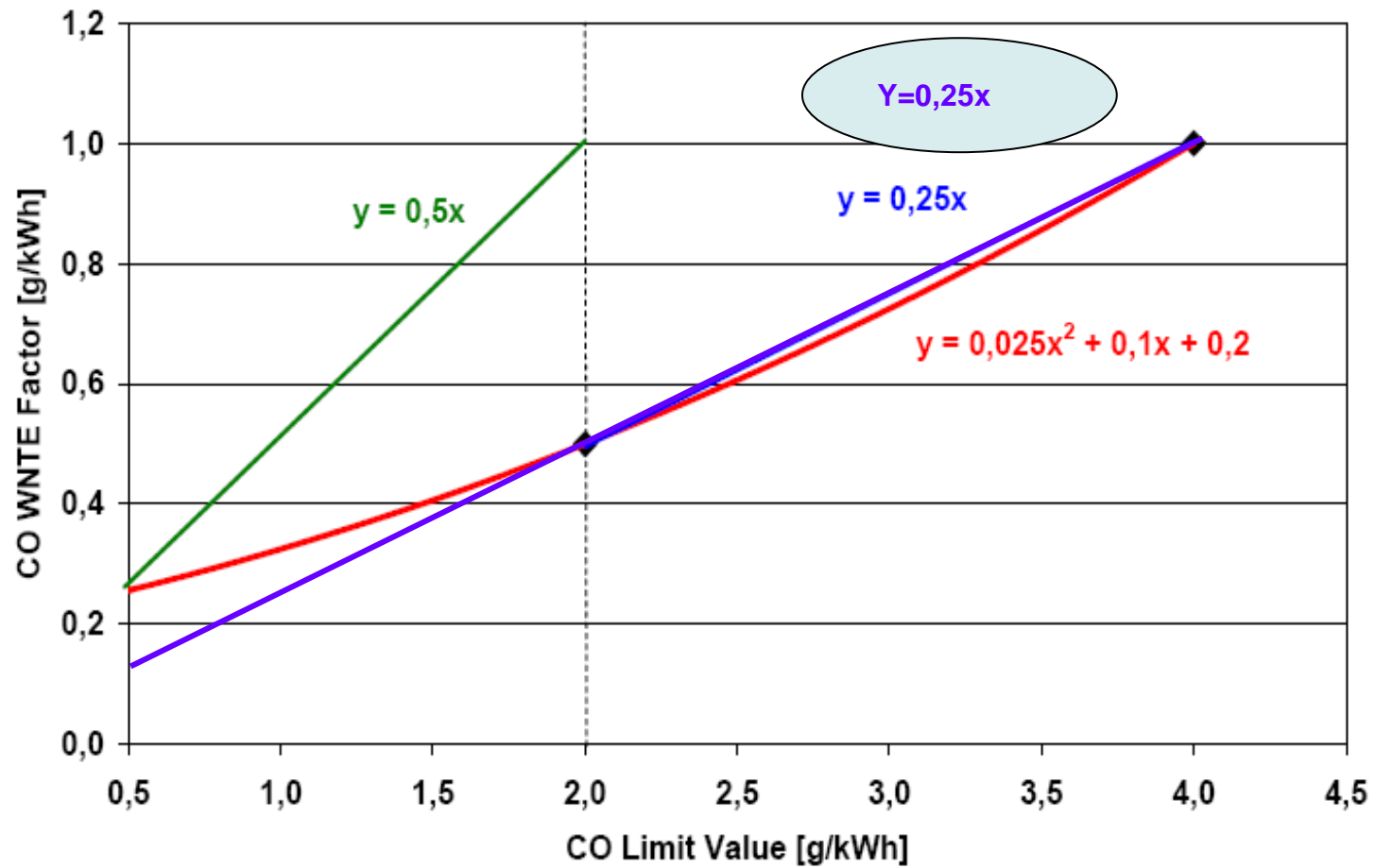
## Modified NOx Function



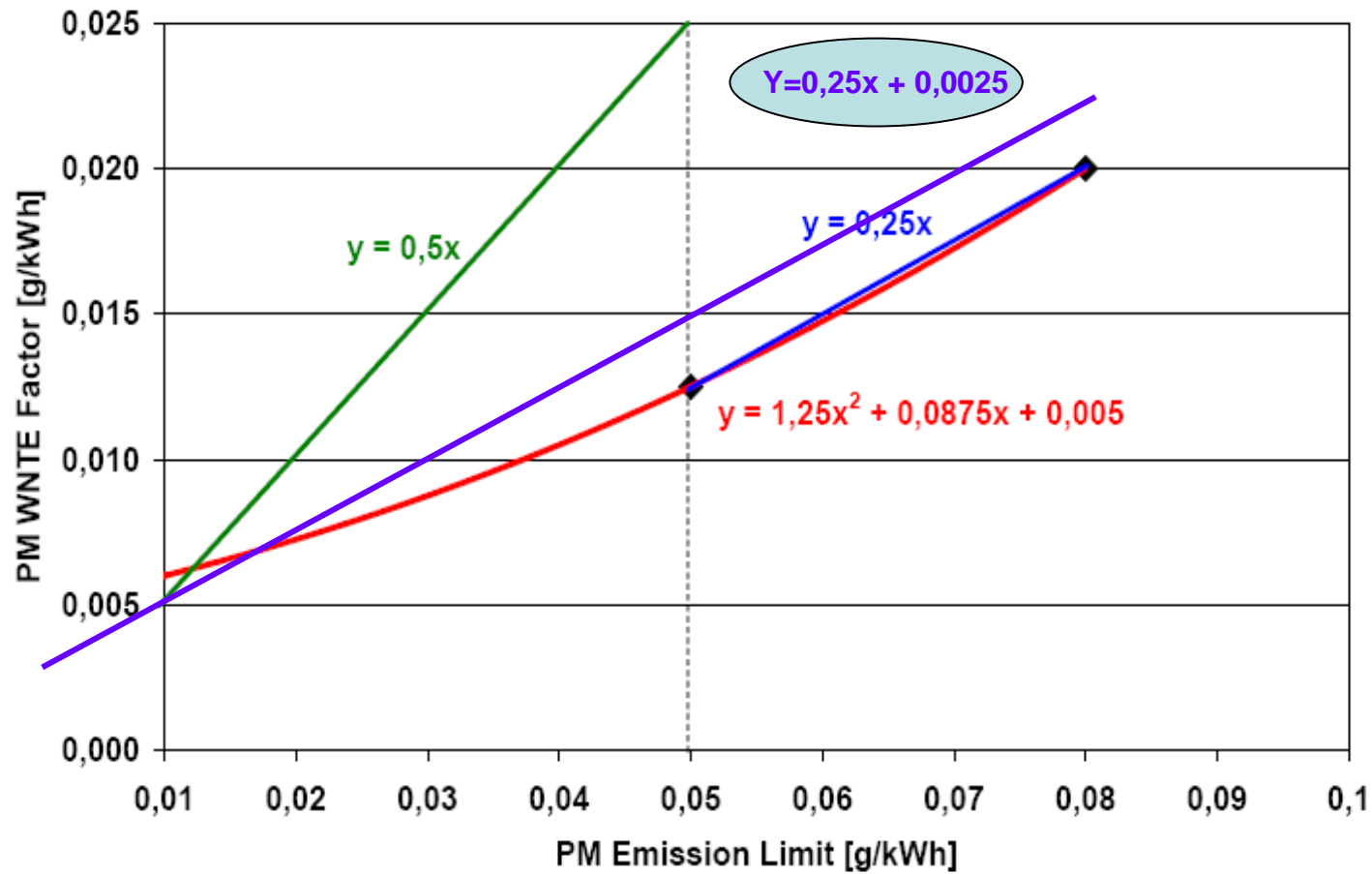
# Modified simple HC equation



# Modified simple CO equation



# Modified simple PM equation



# Modified limits

## NOx and PM WNTE Limits as Function of Existing Legislation

	Emission Limit	Additive WNTE Factor	WNTE Emission Limit	Remark
NOx	3,5	0,85	<b>0,98</b>	Euro IV
	3,4	0,82	<b>0,95</b>	US 04; Japan 04
	2,0	0,50	<b>0,6</b>	Euro V; Japan 05
	1,5	0,42	<b>0,48</b>	US 07
	0,7	0,34	<b>0,28</b>	Japan 09
	0,3 <b>(0,4)</b>	0,31	<b>0,18 (0,2)</b>	US 10 <b>(Euro VI)</b>
PM	0,13	0,038		US 04
	0,10	0,026		Euro III
	0,07	0,017		US 04 Bus
	0,03	0,009		Euro IV/V; Japan 04
	0,02	0,007		Euro IV/V; US 10
	0,01	0,006	<b>(0,005)</b>	Japan 09 <b>(Euro VI)</b>