

CONV_CELILO_N parameters are all hard-coded based on whether the initial flow direction of the PDCI. The parameters and the initialization are different for Celilo to Sylmar (North to South) or Sylmar to Celilo (South to North) flow. The following table shows the differences.

Parameter	Celilo-Sylmar (North to South)	Sylmar - Celilo (South to North)
<i>id_Margin_CN</i>	0	150
<i>IdRefLim_CN</i>	1650	
<i>idtrip_CN</i>	+110	-110
<i>id_min_min</i>	n/a	60
K_{iCN}	2/3	
T_{iCN}	1/120	
T_{ai}	0.1660	
K_{vdid1}	0.4400	
K_{vdid}	+0.7575	-0.7575
T_v	0.0138	
<i>par_vd_ref</i>	550	
K_v	-0.4000	
<i>vd_off_CN</i>	0.100	0.066

Parameter	Celilo-Sylmar (North to South)	Sylmar - Celilo (South to North)
K_{ivg_CN}	-0.264	+0.26400
T_t	-1/360	+1/360
<i>alpha_max_CN</i>	+1.000	+1.91260
<i>alpha_min_CN</i>	-1.992	+0.34700
Km_{CN}	-0.5	0.5
K_{vdid2}	n/a	-0.333
<i>gamref</i>	n/a	0.38428
$Kg2$	n/a	0.6
$Kgid_{CN}$	n/a	0.11694
<i>offgam</i>	n/a	-0.42743
T_{f_IDC}	0.004	0.0084
T_{f_VDC}	0.004	0.0084
T_{f_VAC}	0.0333	