

Attachment C.1 – Analysis of power flows in simple method regions

Investment Region: Hawke's Bay high voltage (HB_HV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
LNI_HV	1	0.41415	2	0.27107	
HB_HV	2	0.34571	1	0.43947	
HB_LV	3	0.17026	3	0.23583	
CSI_HV/LSI_HV	4	0.06564	4	0.04905	Combined in SMC2
BOP_LV	5	0.00299	5	0.00260	
CNI_LV	6	0.00092	6	0.00136	
SLD_LV	7	0.00020	7	0.00032	
UNI_HV	8	0.00005	8	0.00010	
UNI_LV	9	0.00003	10	0.00006	
WTN_LV	10	0.00002	9	0.00008	
WTO_LV / BOB_LV	11	0.00001	11	0.00004	Combined in SMC1, separated in SMC2
NLD_LV	12	0.00001	12	0.00001	
NLD_HV	13	0.00000	15	0.00000	
USI_LV	14	0.00000	13	0.00001	
USI_HV	15	0.00000	14	0.00001	
TIM_LV	16	0.00000	16	0.00000	
NMB_LV	17	0.00000	18	0.00000	
CML_LV	18	0.00000	19	0.00000	
WTK_LV	19	0.00000	17	0.00000	
Total		1.00000		1.00000	

Investment Region: Lower North Island high voltage (LNI_HV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
LNI_HV	1	0.50558	1	0.56276	
UNI_HV	2	0.14234	2	0.11199	
UNI_LV	3	0.10464	4	0.07001	
CSI_HV/LSI_HV	4	0.09834	3	0.08793	Combined in SMC2
WTN_LV	5	0.03164	5	0.05748	
WTO_LV / BOB_LV	6	0.02301	6	0.03829	Combined in SMC1, separated in SMC2
HB_HV	7	0.01945	8	0.01288	
NLD_LV	8	0.01894	9	0.01280	
CNI_LV	9	0.01840	7	0.01752	
HB_LV	10	0.01220	11	0.00741	
NLD_HV	11	0.01059	12	0.00674	
BOP_LV	12	0.00829	10	0.01068	
USI_LV	13	0.00267	13	0.00116	
USI_HV	14	0.00209	14	0.00094	
TIM_LV	15	0.00059	16	0.00027	
NMB_LV	16	0.00037	18	0.00018	
WTK_LV	17	0.00034	17	0.00019	
CML_LV	18	0.00027	19	0.00013	
SLD_LV	19	0.00026	15	0.00064	
Total		1.00000		1.00000	

Investment Region: Lower South Island high voltage (LSI_HV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
CSI_HV/LSI_HV	1	0.69944	1	0.72522	Combined in SMC2
USI_LV	2	0.08348	2	0.07213	
USI_HV	3	0.07136	3	0.06044	
LNI_HV	4	0.02233	4	0.02259	
UNI_HV	5	0.02211	5	0.02139	
TIM_LV	6	0.01742	6	0.01478	
UNI_LV	7	0.01639	7	0.01345	
NMB_LV	8	0.01225	9	0.01125	
WTK_LV	9	0.01075	10	0.01098	
SLD_LV	10	0.00881	12	0.00787	
CML_LV	11	0.00860	11	0.00897	
WTN_LV	12	0.00818	8	0.01174	
WTO_LV / BOB_LV	13	0.00487	13	0.00703	Combined in SMC1, separated in SMC2
HB_HV	14	0.00345	16	0.00235	
NLD_LV	15	0.00304	15	0.00258	
CNI_LV	16	0.00297	14	0.00330	
HB_LV	17	0.00194	17	0.00144	
NLD_HV	18	0.00155	18	0.00125	
BOP_LV	19	0.00106	19	0.00124	
Total		1.00000		1.00000	

Investment Region: Northland high voltage (NLD_HV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
LNI_HV	1	0.43031	1	0.42034	
NLD_LV	2	0.31054	2	0.32538	
NLD_HV	3	0.18697	3	0.16882	
CSI_HV/LSI_HV	4	0.06661	4	0.07362	Combined in SMC2
BOP_LV	5	0.00319	5	0.00471	
UNI_LV	6	0.00117	6	0.00449	
CNI_LV	7	0.00095	7	0.00205	
SLD_LV	8	0.00021	8	0.00047	
UNI_HV	9	0.00003	9	0.00006	
WTO_LV / BOB_LV	10	0.00003	10	0.00004	Combined in SMC1, separated in SMC2
HB_HV	11	0.00001	12	0.00001	
HB_LV	12	0.00000	11	0.00001	
WTN_LV	13	0.00000	13	0.00000	
USI_LV	14	0.00000	14	0.00000	
USI_HV	15	0.00000	14	0.00000	
TIM_LV	16	0.00000	16	0.00000	
NMB_LV	17	0.00000	16	0.00000	
WTK_LV	18	0.00000	16	0.00000	
CML_LV	19	0.00000	16	0.00000	
Total		1.00000		1.00000	

Investment Region: Upper North Island high voltage (UNI_HV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
LNI_HV	1	0.43071	1	0.33454	
UNI_HV	2	0.25516	2	0.33336	
UNI_LV	3	0.18676	3	0.20526	
CSI_HV/LSI_HV	4	0.06667	4	0.05926	Combined in SMC2
NLD_LV	5	0.03382	5	0.03757	
NLD_HV	6	0.01911	6	0.01962	
WTO_LV / BOB_LV	7	0.00338	7	0.00477	Combined in SMC1, separated in SMC2
BOP_LV	8	0.00319	8	0.00361	
CNI_LV	9	0.00097	9	0.00163	
SLD_LV	10	0.00021	10	0.00038	
HB_HV	11	0.00001	11	0.00001	
WTN_LV	12	0.00000	13	0.00000	
HB_LV	13	0.00000	12	0.00001	
USI_LV	14	0.00000	14	0.00000	
USI_HV	15	0.00000	14	0.00000	
TIM_LV	16	0.00000	16	0.00000	
WTK_LV	17	0.00000	16	0.00000	
NMB_LV	18	0.00000	18	0.00000	
CML_LV	19	0.00000	18	0.00000	
Total		1.00000		1.00000	

Investment Region: Upper South Island high voltage (USI_HV)					
Beneficiary Region	Rank1	SMC1	Rank1	SMC2	Comments
CSI_HV/LSI_HV	1	0.48614	1	0.45114	Combined in SMC2
USI_LV	2	0.22546	2	0.24706	
USI_HV	3	0.19243	3	0.20696	
TIM_LV	4	0.04302	4	0.04682	
NMB_LV	5	0.03348	5	0.03843	
LNI_HV	6	0.01778	6	0.00623	
SLD_LV	7	0.00116	7	0.00254	
BOP_LV	8	0.00027	9	0.00012	
WTK_LV	9	0.00018	8	0.00064	
CNI_LV	10	0.00007	10	0.00007	
WTO_LV	11	0.00000	12	0.00000	Combined in SMC1, separated in SMC2
HB_LV	12	0.00000	11	0.00000	
WTN_LV	13	0.00000	13	0.00000	
HB_HV	14	0.00000	14	0.00000	
NLD_LV	15	0.00000	14	0.00000	
UNI_HV	16	0.00000	14	0.00000	
UNI_LV	17	0.00000	14	0.00000	
NLD_HV	18	0.00000	14	0.00000	
CML_LV	19	0.00000	14	0.00000	
Total		1.00000		1.00000	

- There are 6 HV investment regions (above) and 13 LV investment regions (below). Each investment region creates beneficiary regions identified through power flow analysis. Each investment region has an annual *covered* cost to recover via benefit-based charges.
- For each investment region, the beneficiary regions for **simple method period 1** (labelled SMC1) and the **dry run** (labelled SMC2), are ranked. SMC = simple method contribution. The dry run covered capacity measurement period (CMP) 1 September 2018 to 31 August 2023, which differs by two years from the CMP used simple method period 1 (September 2016 to August 2021). (We acknowledge that running the simple method for real will use discrete periods).
- SMC is the proxy for regional net private benefit (RNPB) under the simple method BBI and is derived from power flows. SMCs are ranked. Comparing SMC1 v. SMC2; the rank of beneficiary regions to an investment region remains (in the main) the same order. This stability means power flows are enduring between the periods.
 - Only for *Hawkes Bay high voltage* have the top two regions with highest benefits from that investment region, swapped ranking. The top three regions collectively capture 93% of the total benefits. This region is *very* small and more sensitive to flow changes.
- For the LV investment regions, all investment regions retain the same ranking of beneficiary regions for the highest ranked benefitting regions. Only for *Bay of Plenty LV* does ranking change (at order 3 and 4) but note these SMCs are a factor smaller that for ranks 1 and 2. Ranks 1 and 2 still comprise 96% of the total benefits.

Investment Region: Bay of Plenty low voltage (BOP_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
BOP_LV	1	0.92350	1	0.92057	
LNI_HV	2	0.04608	2	0.04397	
CSI_HV/LSI_HV	3	0.00763	4	0.00761	Combined in SMC2
UNI_HV	4	0.00754	3	0.00899	
UNI_LV	5	0.00548	5	0.00550	
WTN_LV	6	0.00236	6	0.00452	
WTO_LV / BOB_LV	7	0.00168	7	0.00337	Combined in SMC1, separated in SMC2
HB_HV	8	0.00135	9	0.00103	
CNI_LV	9	0.00128	8	0.00197	
NLD_LV	10	0.00101	10	0.00091	
NLD_HV	11	0.00068	11	0.00052	
HB_LV	12	0.00060	12	0.00047	
USI_LV	13	0.00033	13	0.00019	
USI_HV	14	0.00025	14	0.00016	
TIM_LV	15	0.00007	16	0.00005	
SLD_LV	16	0.00005	15	0.00010	
NMB_LV	17	0.00004	18	0.00003	
WTK_LV	18	0.00004	17	0.00003	
CML_LV	19	0.00003	19	0.00002	
Total		1.00000		1.00000	

Investment Region: Cromwell low voltage (CML_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
CML_LV	1	0.49655	1	0.49639	
CSI_HV/LSI_HV	2	0.48422	2	0.49384	Combined in SMC2
LNI_HV	3	0.01772	3	0.00676	
SLD_LV	4	0.00116	4	0.00281	
BOP_LV	5	0.00027	5	0.00013	
CNI_LV	6	0.00007	6	0.00007	
WTO_LV / BOB_LV	7	0.00000	8	0.00000	Combined in SMC1, separated in SMC2
HB_LV	8	0.00000	7	0.00000	
WTN_LV	9	0.00000	9	0.00000	
HB_HV	10	0.00000	10	0.00000	
NLD_LV	11	0.00000	10	0.00000	
UNI_HV	12	0.00000	10	0.00000	
NLD_HV	13	0.00000	10	0.00000	
NMB_LV	13	0.00000	10	0.00000	
TIM_LV	13	0.00000	10	0.00000	
UNI_LV	13	0.00000	10	0.00000	
USI_HV	13	0.00000	10	0.00000	
USI_LV	13	0.00000	10	0.00000	
WTK_LV	13	0.00000	10	0.00000	
Total		1.00000		1.00000	

Investment Region: Northland low voltage (NLD_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
NLD_LV	1	0.51952	1	0.54811	
LNI_HV	2	0.40954	2	0.37204	
CSI_HV/LSI_HV	3	0.06479	3	0.06675	Combined in SMC2
BOP_LV	4	0.00309	5	0.00378	
UNI_LV	5	0.00185	4	0.00691	
CNI_LV	6	0.00078	6	0.00166	
WTO_LV / BOB_LV	7	0.00020	8	0.00024	Combined in SMC1, separated in SMC2
SLD_LV	8	0.00019	7	0.00043	
UNI_HV	9	0.00003	9	0.00005	
HB_HV	10	0.00001	10	0.00001	
HB_LV	11	0.00000	11	0.00001	
WTN_LV	12	0.00000	12	0.00000	
USI_LV	13	0.00000	13	0.00000	
USI_HV	14	0.00000	14	0.00000	
NLD_HV	15	0.00000	15	0.00000	
TIM_LV	16	0.00000	15	0.00000	
NMB_LV	17	0.00000	15	0.00000	
WTK_LV	18	0.00000	15	0.00000	
CML_LV	19	0.00000	15	0.00000	
Total		1.00000		1.00000	

Investment Region: Nelson Marlborough Blenheim low voltage (NMB_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
NMB_LV	1	0.59928	1	0.58583	
CSI_HV/LSI_HV	2	0.36673	2	0.38984	no more CSI_HV)
USI_LV	3	0.01928	3	0.01658	
LNI_HV	4	0.01345	4	0.00538	
SLD_LV	5	0.00086	5	0.00210	
BOP_LV	6	0.00020	6	0.00010	
USI_HV	7	0.00011	7	0.00008	
CNI_LV	8	0.00006	8	0.00006	
TIM_LV	9	0.00003	9	0.00002	
WTO_LV / BOB_LV	10	0.00000	11	0.00000	Combined in SMC1, separated in SMC2
HB_LV	11	0.00000	10	0.00000	
WTN_LV	12	0.00000	12	0.00000	
HB_HV	13	0.00000	14	0.00000	
WTK_LV	14	0.00000	13	0.00000	
NLD_LV	15	0.00000	14	0.00000	
UNI_HV	16	0.00000	14	0.00000	
UNI_LV	17	0.00000	14	0.00000	
NLD_HV	18	0.00000	14	0.00000	
CML_LV	19	0.00000	14	0.00000	
Total		1.00000		1.00000	

Investment Region: Central North Island low voltage (CNI_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
CNI_LV	1	0.74948	1	0.78773	
LNI_HV	2	0.17015	2	0.12626	
CSI_HV/LSI_HV	3	0.02998	3	0.02688	Combined in SMC2
WTN_LV	4	0.02238	5	0.02254	
WTO_LV / BOB_LV	5	0.02081	4	0.02409	Combined in SMC1, separated in SMC2
UNI_HV	6	0.00238	6	0.00480	
UNI_LV	7	0.00194	7	0.00361	
BOP_LV	8	0.00158	8	0.00213	
HB_HV	9	0.00036	9	0.00056	
NLD_LV	10	0.00027	10	0.00047	
HB_LV	11	0.00023	11	0.00031	
NLD_HV	12	0.00015	12	0.00023	
USI_LV	13	0.00010	14	0.00012	
USI_HV	14	0.00007	15	0.00009	
SLD_LV	15	0.00006	13	0.00013	
TIM_LV	16	0.00002	16	0.00002	
NMB_LV	17	0.00001	17	0.00002	
CML_LV	18	0.00001	19	0.00001	
WTK_LV	19	0.00001	18	0.00002	
Total		1.00000		1.00000	

Investment Region: Hawke's Bay low voltage (HB_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
HB_LV	1	0.72019	1	0.72123	
LNI_HV	2	0.22711	2	0.22183	
CSI_HV/LSI_HV	3	0.03694	3	0.03993	Combined in SMC2
HB_HV	4	0.01341	4	0.01370	
BOP_LV	5	0.00161	5	0.00205	
CNI_LV	6	0.00059	6	0.00098	
SLD_LV	7	0.00011	7	0.00025	
UNI_HV	8	0.00001	8	0.00000	
UNI_LV	9	0.00001	11	0.00000	
WTO_LV / BOB_LV	10	0.00000	10	0.00000	Combined in SMC1, separated in SMC2
WTN_LV	11	0.00000	9	0.00000	
NLD_LV	12	0.00000	14	0.00000	
USI_LV	13	0.00000	12	0.00000	
NLD_HV	14	0.00000	15	0.00000	
USI_HV	15	0.00000	13	0.00000	
TIM_LV	16	0.00000	16	0.00000	
NMB_LV	17	0.00000	18	0.00000	
WTK_LV	18	0.00000	17	0.00000	
CML_LV	19	0.00000	19	0.00000	
Total		1.00000		1.00000	

Investment Region: Southland low voltage (SLD_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
SLD_LV	1	0.83114	1	0.82095	
CSI_HV/LSI_HV	2	0.15498	2	0.14639	no more CSI_HV)
USI_LV	3	0.00350	3	0.00812	
USI_HV	4	0.00287	4	0.00654	
LNI_HV	5	0.00195	5	0.00431	
UNI_HV	6	0.00128	6	0.00293	
UNI_LV	7	0.00093	7	0.00183	
TIM_LV	8	0.00059	9	0.00138	
WTN_LV	9	0.00050	8	0.00172	
NMB_LV	10	0.00046	11	0.00111	
CML_LV	11	0.00041	10	0.00118	
WTK_LV	12	0.00038	12	0.00103	
WTO_LV / BOB_LV	13	0.00028	13	0.00090	Combined in SMC1, separated in SMC2
HB_HV	14	0.00018	16	0.00030	
NLD_LV	15	0.00017	14	0.00036	
BOP_LV	16	0.00011	17	0.00030	
HB_LV	17	0.00011	18	0.00019	
CNI_LV	18	0.00010	15	0.00031	
NLD_HV	19	0.00007	19	0.00015	
Total		1.00000		1.00000	

Investment Region: Timaru low voltage (TIM_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
TIM_LV	1	0.60364	1	0.60336	
CSI_HV/LSI_HV	2	0.37881	2	0.38319	no more CSI_HV)
LNI_HV	3	0.01472	3	0.00559	
WTK_LV	4	0.00165	4	0.00556	
SLD_LV	5	0.00085	5	0.00210	
BOP_LV	6	0.00023	6	0.00011	
CNI_LV	7	0.00006	7	0.00006	
USI_HV	8	0.00002	9	0.00000	
NMB_LV	9	0.00001	8	0.00001	
WTO_LV	10	0.00000	12	0.00000	
HB_LV	11	0.00000	10	0.00000	
USI_LV	12	0.00000	11	0.00000	
WTO_LV / BOB_LV	13	0.00000	13	0.00000	Combined in SMC1, separated in SMC2
HB_HV	14	0.00000	14	0.00000	
NLD_LV	15	0.00000	14	0.00000	
UNI_HV	16	0.00000	14	0.00000	
CML_LV	17	0.00000	14	0.00000	
NLD_HV	17	0.00000	14	0.00000	
UNI_LV	17	0.00000	14	0.00000	
Total		1.00000		1.00000	

Investment Region: Upper North Island low voltage (UNI_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
UNI_LV	1	0.47963	1	0.52000	
LNI_HV	2	0.43176	2	0.39123	
CSI_HV/LSI_HV	3	0.06691	3	0.06853	Combined in SMC2
WTO_LV / BOB_LV	4	0.01046	4	0.00839	Combined in SMC1, separated in SMC2
NLD_LV	5	0.00672	5	0.00481	
BOP_LV	6	0.00319	6	0.00438	
CNI_LV	7	0.00107	7	0.00215	
SLD_LV	8	0.00021	8	0.00043	
UNI_HV	9	0.00003	9	0.00005	
WTN_LV	10	0.00001	10	0.00001	
HB_HV	11	0.00001	12	0.00001	
HB_LV	12	0.00000	11	0.00001	
NLD_HV	13	0.00000	17	0.00000	
USI_LV	14	0.00000	13	0.00000	
USI_HV	15	0.00000	14	0.00000	
TIM_LV	16	0.00000	15	0.00000	
WTK_LV	17	0.00000	15	0.00000	
NMB_LV	18	0.00000	17	0.00000	
CML_LV	19	0.00000	19	0.00000	
Total		1.00000		1.00000	

Investment Region: Upper South Island low voltage (USI_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
USI_LV	1	0.54842	1	0.54455	
CSI_HV/LSI_HV	2	0.43079	2	0.44289	Combined in SMC2
LNI_HV	3	0.01586	3	0.00609	
NMB_LV	4	0.00355	4	0.00374	
SLD_LV	5	0.00104	5	0.00253	
BOP_LV	6	0.00024	6	0.00012	
CNI_LV	7	0.00007	7	0.00007	
USI_HV	8	0.00002	8	0.00001	
WTO_LV / BOB_LV	9	0.00000	11	0.00000	Combined in SMC1, separated in SMC2
TIM_LV	10	0.00000	10	0.00000	
HB_LV	11	0.00000	9	0.00000	
WTN_LV	12	0.00000	12	0.00000	
HB_HV	13	0.00000	14	0.00000	
NLD_LV	14	0.00000	14	0.00000	
WTK_LV	15	0.00000	13	0.00000	
UNI_HV	16	0.00000	14	0.00000	
UNI_LV	17	0.00000	14	0.00000	
NLD_HV	18	0.00000	14	0.00000	
CML_LV	19	0.00000	14	0.00000	
Total		1.00000		1.00000	

Investment Region: Waikato low voltage (WTO_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
WTO_LV / BOB_LV	1	0.69803	1	0.65851	Combined in SMC1, separated in SMC2
LNI_HV	2	0.24232	2	0.26133	
CSI_HV	3	0.03753	3	0.04489	Combined in SMC2
CNI_LV	4	0.01231	5	0.01579	
UNI_LV	5	0.00721	4	0.01580	
BOP_LV	6	0.00176	6	0.00288	
WTN_LV	7	0.00056	7	0.00034	
SLD_LV	8	0.00012	8	0.00028	
NLD_LV	9	0.00011	9	0.00015	
UNI_HV	10	0.00003	10	0.00001	
HB_HV	11	0.00001	11	0.00001	
USI_LV	12	0.00000	13	0.00000	
HB_LV	13	0.00000	12	0.00000	
USI_HV	14	0.00000	14	0.00000	
NLD_HV	15	0.00000	15	0.00000	
TIM_LV	16	0.00000	16	0.00000	
CML_LV	17	0.00000	19	0.00000	
NMB_LV	18	0.00000	18	0.00000	
WTK_LV	19	0.00000	17	0.00000	
Total		1.00000		1.00000	

Investment Region: Waitaki low voltage (WTK_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
CSI_HV/LSI_HV	1	0.48802	1	0.49525	Combined in SMC2
WTK_LV	2	0.44161	2	0.45497	
TIM_LV	3	0.05099	3	0.03995	
LNI_HV	4	0.01786	4	0.00679	
SLD_LV	5	0.00117	5	0.00282	
BOP_LV	6	0.00027	6	0.00013	
CNI_LV	7	0.00007	7	0.00007	
WTO_LV / BOB_LV	8	0.00000	9	0.00000	Combined in SMC1, separated in SMC2
HB_LV	9	0.00000	8	0.00000	
WTN_LV	10	0.00000	10	0.00000	
HB_HV	11	0.00000	13	0.00000	
NMB_LV	12	0.00000	11	0.00000	
NLD_LV	13	0.00000	13	0.00000	
USI_LV	14	0.00000	12	0.00000	
UNI_HV	15	0.00000	13	0.00000	
CML_LV	16	0.00000	13	0.00000	
NLD_HV	16	0.00000	13	0.00000	
UNI_LV	16	0.00000	13	0.00000	
USI_HV	16	0.00000	13	0.00000	
Total		1.00000		1.00000	

Investment Region: Wellington low voltage (WTN_LV)					
Beneficiary Region	Rank1	SMC1	Rank2	SMC2	Comments
WTN_LV	1	0.60484	1	0.59960	
LNI_HV	2	0.31998	2	0.31632	
CSI_HV/LSI_HV	3	0.05434	3	0.06025	Combined in SMC2
CNI_LV	4	0.01775	4	0.01940	
BOP_LV	5	0.00224	5	0.00340	
WTO_LV / BOB_LV	6	0.00064	6	0.00056	Combined in SMC1, separated in SMC2
SLD_LV	7	0.00017	7	0.00040	
UNI_LV	8	0.00001	8	0.00002	
UNI_HV	9	0.00001	9	0.00001	
HB_HV	10	0.00001	10	0.00001	
HB_LV	11	0.00000	11	0.00001	
NLD_LV	12	0.00000	12	0.00000	
USI_LV	13	0.00000	14	0.00000	
USI_HV	14	0.00000	15	0.00000	
NLD_HV	15	0.00000	13	0.00000	
TIM_LV	16	0.00000	16	0.00000	
NMB_LV	17	0.00000	17	0.00000	
WTK_LV	18	0.00000	18	0.00000	
CML_LV	19	0.00000	19	0.00000	
Total		1.00000		1.00000	