

Additional file 4 - Scale type, scale and congestion efficiency score by DMU and index year

Year 2011				Year 2012			
DMU Index	Scale Efficiency Score	Scale Efficiency Type	Congestion Efficiency Score	DMU Index	Scale Efficiency Score*	Scale Efficiency Type*	Congestion Efficiency Score*
1	1.47	drs	1.00	1	1.81	irs	1.00
2	1.06	drs	1.22	2	1.01	drs	1.25
3	1.01	drs	1.00	3	1.01	drs	1.04
4	1.00	crs	1.00	4	1.00	crs	1.00
5	1.00	crs	1.00	5	1.00	crs	1.00
6	1.38	drs	1.00	6	1.42	drs	1.00
7	1.35	drs	1.00	7	1.94	drs	1.00
8	1.25	drs	1.00	8	1.00	crs	1.00
9	1.02	drs	1.07	9	1.00	crs	1.00
10	1.02	drs	1.00	10	1.00	crs	1.00
11	1.00	crs	1.00	11	1.00	crs	1.00
12	1.04	drs	1.47	12	1.00	drs	1.35
13	1.22	drs	1.23	13	1.14	drs	1.25
14	1.00	crs	1.00	14	1.00	crs	1.00
15	1.00	crs	1.00	15	1.00	crs	1.00
16	1.00	crs	1.00	16	1.00	crs	1.00
17	1.12	irs	1.00	17	1.05	irs	1.00
18	1.00	crs	1.00	18	1.00	crs	1.00
19	1.06	drs	1.13	19	1.00	crs	1.00
20	1.00	drs	1.48	20	1.00	crs	1.00
21	1.09	drs	1.28	21	1.03	drs	2.09
22	1.02	drs	1.00	22	1.00	crs	1.00
23	1.17	drs	1.31	23	1.00	drs	1.44
24	1.00	crs	1.00	24	1.00	crs	1.00
25	1.00	crs	1.00	25	1.00	crs	1.00
26	1.01	drs	1.05	26	1.03	drs	1.08
27	1.24	drs	1.67	27	1.00	crs	1.00
28	1.08	drs	1.09	28	1.00	crs	1.00
29	1.03	drs	1.44	29	1.01	drs	1.00
30	1.00	crs	1.00	30	1.00	crs	1.00
31	1.00	crs	1.00	31	1.00	crs	1.00
32	1.00	crs	1.00	32	1.00	crs	1.00
33	1.00	crs	1.00	33	1.00	crs	1.00
34	1.00	crs	1.00	34	1.00	crs	1.00
35	1.00	crs	1.00	35	1.00	crs	1.00
36	1.00	crs	1.00	36	1.00	crs	1.00
	1.07		1.07		1.07		1.05

*Congestion efficiency score were calculated using VRS model ; crs = constant return to scale; drs = decreasing return to scale; vrs = variable return to scale