

APPENDIX 2

Consolidated GCC listed companies DACC result

Δ(CA)_t			ΔCash			Δ(CL)_t			Δ(DCL)_t		
2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019
(294.0)	(386.0)	14.0	306.0	(201.0)	18.0	(28.0)	(731.0)	350.0	-	-	-
(160.0)	3,115.9	(638.9)	(1,048.0)	2,687.5	(726.9)	1,935.8	2,611.4	(930.3)	-	332.2	(197.5)
8.3	(33.0)	(34.6)	(1.1)	35.9	(27.2)	188.4	59.9	(214.9)	-	-	-
(97.3)	(148.2)	35.1	(75.4)	(23.7)	(6.5)	(184.3)	74.4	6.4	6.3	3.2	1.7
16.5	38.3	(23.3)	(1.5)	11.1	(6.5)	23.6	(4.0)	23.8	45.9	2.1	30.2
151.7	(305.1)	(86.4)	92.0	(192.4)	58.9	(66.4)	10.1	55.0	1.2	(5.6)	(23.2)
(36.4)	(26.2)	56.4	(7.2)	(14.3)	52.4	(5.2)	(3.1)	(24.5)	(95.0)	703.4	90.6
32.6	(6.6)	60.1	(36.2)	22.7	27.6	62.9	758.5	11.8	4.4	14.0	26.9
55.4	(36.4)	(37.9)	(6.1)	14.3	37.5	(34.2)	(24.0)	(3.8)	(1.5)	(18.2)	0.7
(18.2)	17.8	47.6	5.1	8.5	(40.0)	(16.3)	113.9	120.5	(55.1)	(1.9)	34.0
0.3	156.9	28.5	4.5	(80.7)	(29.0)	41.9	566.1	(167.6)	-	-	-
94.6	(607.0)	(290.2)	(205.2)	256.2	(86.6)	(94.4)	(136.1)	88.4	(392.7)	(142.6)	45.4
(1,234.1)	129.7	(96.2)	425.0	681.9	(679.4)	102.3	904.6	32.4	186.9	1,019.5	(6.3)
592.3	161.3	(674.2)	(3,876.8)	(501.7)	-	(2,454.2)	(1,096.8)	(4.1)	-	-	-
(34.5)	(19.8)	-	(1,876.8)	(501.7)	-	1,195.4	631.7	(1,981.5)	1,018.0	207.5	(1,493.0)
1,194.6	538.6	(3,182.7)	209.3	36.6	(24.3)	3,076.1	3.9	(34.8)	735.7	(203.4)	(36.6)
2,040.6	549.8	(413.3)	(139.9)	151.8	(215.9)	41.5	47.8	(22.1)	0.4	0.4	25.4
(140.5)	147.5	(202.1)	5.3	(8.5)	(18.3)	2.8	1.2	14.0	(4.6)	0.5	(0.1)
(50.2)	(18.7)	(20.1)	(38.7)	(143.9)	(38.9)	31.2	(157.4)	78.7	-	-	-
95.6	(132.6)	92.4	32.3	(2.1)	(103.6)	52.9	13.0	(125.3)	11.0	(17.7)	(0.6)
91.0	42.7	(171.7)	(0.4)	0.1	0.5	10.7	(20.7)	1.0	-	-	-
(8.2)	(3.1)	(2.9)	(0.1)	(0.7)	(0.1)	(0.5)	2.0	0.2	-	-	-
(0.7)	1.3	(0.3)	(0.2)	(0.5)	0.2	0.0	0.2	(0.2)	-	-	-
(1.1)	1.3	(0.1)	11.0	26.4	(22.5)	0.6	122.7	156.0	(23.2)	52.5	78.4
118.1	61.1	(43.1)	(33.7)	(15.9)	32.7	23.9	192.9	5.4	0.0	0.8	-
30.7	14.5	34.1	2.0	(9.5)	1.9	0.3	(1.5)	(1.7)	1.0	1.0	(2.1)
1.9	(8.7)	2.6	(3.3)	(3.4)	(0.8)	(1.1)	6.7	44.3	-	1.1	18.8
0.6	9.4	7.6	(0.0)	0.1	(0.4)	2.2	(1.3)	0.6	(0.3)	0.7	(1.1)
1.3	(5.8)	(0.1)	(0.4)	(0.0)	(0.0)	1.0	(0.2)	(0.5)	(0.1)	(0.0)	-
0.2	(0.1)	0.0	0.1	(0.7)	(1.0)	3.6	(5.3)	(8.1)	-	-	-
5.1	0.4	(5.2)	0.1	10.2	(2.2)	7.2	3.2	(3.1)	1.1	(12.2)	-
12.0	3.9	(3.5)	(1.5)	0.4	1.0	(0.3)	(0.4)	0.6	-	-	-
2.6	2.4	2.0	(2.6)	(0.6)	0.7	(35.7)	(19.9)	(35.4)	(7.7)	(5.4)	(3.3)
(50.4)	23.9	(47.7)	(7.7)	(1.6)	0.2	(3.2)	4.1	7.1	(3.0)	2.0	3.4
(0.5)	1.4	1.5	0.1	(0.6)	0.2	2.4	38.3	(34.1)	(1.8)	(1.5)	(1.7)
12.9	35.7	(32.7)	6.7	24.5	(44.5)	1.1	0.4	0.4	-	-	-
1.7	(0.1)	0.7	0.2	7.1	1.3	0.2	(0.2)	(1.3)	-	-	-
2.8	5.6	4.4	0.4	(2.4)	20.9	(0.4)	(9.0)	(0.4)	-	2.6	(2.6)
(3.6)	(5.2)	15.2	4.0	0.6	13.6	(1.5)	(0.9)	0.4	-	-	-
(3.1)	(2.1)	(1.1)	2.8	(1.1)	(0.5)	5.7	(3.4)	(0.3)	2.5	(2.8)	(1.1)
4.5	(3.0)	(0.6)	5.2	(3.8)	0.6	(0.7)	5.7	(4.8)	-	-	-
2.4	7.4	10.2	0.1	6.5	8.8	13.5	(9.9)	29.1	5.5	(3.2)	21.8
60.1	(36.5)	4.7	(0.6)	2.1	8.0	9.6	(34.3)	26.5	(2.3)	(1.9)	(2.3)
9.7	9.0	10.1	2.4	0.9	(3.0)	0.8	4.6	(8.6)	(1.4)	3.2	-
(6.3)	(4.9)	1.7	(2.4)	(3.2)	(0.0)	(0.4)	0.8	(4.7)	0.7	(6.9)	1.3
5.8	(7.9)	11.5	0.4	(2.4)	20.9	(9.7)	(12.7)	(5.3)	-	-	-
13.6	(2.3)	(6.6)	6.3	(2.3)	(7.4)	10.4	(4.9)	(5.2)	2.5	(2.8)	(1.1)
(3.7)	(10.4)	1.2	(2.4)	(1.6)	-	5.7	(3.4)	(0.3)	-	-	-
3.2	2.7	(8.7)	2.4	2.5	(8.7)	(0.7)	5.7	(4.8)	-	-	-
(2.4)	(8.9)	35.8	(2.0)	2.3	2.9	13.5	(9.9)	29.1	5.5	(3.2)	21.8
(0.8)	(49.3)	43.2	(0.6)	2.1	8.0	9.6	(34.3)	26.5	(2.3)	(1.9)	(2.3)
3.7	0.7	(2.5)	2.4	0.9	(3.0)	0.8	4.6	(8.6)	(1.4)	3.2	-
25.8	3.0	(4.7)	2.8	1.5	(3.2)	29.3	(3.9)	(4.7)	0.7	(6.9)	1.3
4.5	(3.7)	(0.7)	3.1	(2.4)	(0.7)	(0.2)	1.0	(0.2)	-	-	-
86.9	54.3	6.4	31.4	0.2	5.0	103.5	(46.8)	(16.0)	80.8	(80.4)	(30.4)
1.7	(11.5)	(8.1)	(1.6)	(2.0)	0.1	0.1	(0.1)	(5.4)	(3.5)	(0.1)	0.4
2.6	(0.7)	1.7	3.2	(1.6)	2.8	0.7	(0.9)	1.1	-	-	-
1.7	5.2	7.1	4.3	1.1	7.7	0.7	(3.1)	0.4	-	-	-
20.2	(57.6)	55.7	7.5	(0.0)	52.1	91.2	352.1	(100.8)	19.0	191.6	18.5
(251.0)	(241.0)	301.2	325.8	(269.0)	17.3	32.8	59.8	(28.2)	(18.8)	74.1	(187.5)
3,151.8	1,889.6	(3,116.1)	(1,254.8)	1,136.8	(947.6)	2,540.9	11,015.9	3,056.3	582.3	9,293.3	4,345.2
620.6	3,746.7	(127.7)	(18.1)	1,041.5	(1,788.3)	12.5	173.8	662.3	443.7	227.3	(629.8)
(1.8)	(126.4)	(29.5)	(55.0)	(66.0)	(27.2)	3.4	(12.2)	12.1	-	-	0.9
(7.6)	10.5	47.9	(23.2)	17.3	56.3	(19.4)	20.2	25.5	-	-	0.3
16.2	(61.6)	(119.3)	19.3	(121.3)	(6.7)	44.6	(28.1)	(24.8)	72.5	(26.2)	(11.6)
27.9	26.3	(15.2)	(6.8)	13.0	16.0	(8.7)	90.4	39.0	(19.0)	6.6	10.2
175.9	442.9	(1,238.3)	(355.5)	985.7	(765.9)	145.8	1,197.8	(1,352.6)	27.4	6.7	(151.4)
10,137.6	(10,175.6)	(20,065.5)	18,790.9	(53,912.2)	1,390.6	6,919.1	(11,191.0)	434.8	(399.4)	(8,623.2)	4,466.6
(247.9)	1,057.7	(82.0)	(40.4)	509.0	(61.0)	(92.8)	70.0	(173.9)	0.0	0.1	13.4
(81.2)	1.5	(88.9)	(1.7)	(31.6)	30.3	97.9	61.9	44.0	13.2	126.7	(47.5)
(40.0)	(66.7)	(44.1)	(35.8)	(1.0)	10.1	(12.9)	(48.7)	306.9	0.7	(39.6)	310.2
(9.4)	21.1	81.5	(80.3)	1.1	69.5	6.0	16.6	(10.5)	4.0	18.0	(9.7)
12.2	(103.0)	396.2	(4.2)	56.5	(129.8)	17.9	(86.3)	431.9	0.5	1.1	8.6
(184.8)	79.3	147.6	(98.3)	30.0	230.9	(160.4)	29.6	29.6	(57.5)	-	1.2
40.7	20.7	9.5	16.9	(7.1)	(7.9)	(97.9)	10.4	15.4	(65.2)	17.6	18.3
(39.2)	56.2	233.4	(115.1)	(8.2)	235.1	(82.4)	(134.8)	(10.2)	-	-	-
66.5	(45.8)	82.3	(13.1)	(46.5)	125.3	(18.4)	25.5	(57.3)	(6.7)	(34.8)	0.4
(27.2)	(111.8)	22.7	(38.6)	(50.1)	3.7	(61.1)	(69.7)	(31.4)	(67.0)	(88.5)	(48.6)
106.3	34.1	87.2	17.3	(26.8)	34.0	(112.6)	35.8	25.2	10.3	21.7	11.6
(56.4)	205.0	(141.5)	(56.9)	(63.1)	44.8	42.1	413.6	(152.2)	(106.4)	9.0	26.6
643.9	695.3	(1,249.6)	273.8	999.7	(448.6)	385.4	1,159.0	(1,225.1)	(208.1)	(97.9)	14.1
213.0	(355.5)	(384.8)	(624.0)	(1,026.1)	110.1	(97.9)	10.4	15.4	(52.9)	(930.4)	-
(17.0)	(91.0)	(59.3)	0.2	(1.4)	(10.9)	(74.4)	79.6	(8.5)	3.2	87.0	18.3
328.5	(638.2)	1,127.8	(99.9)	(709.2)	777.8	(254.0)	83.4	6.0	(174.0)	271.1	(289.4)
697.2	2,379.2	(3,757.1)	1,127.0	(137.4)	(1,463.9)	(142.4)	25.5	(54.5)	(161.8)	(77.6)	17.3
180.0	101.6	(812.8)	(192.7)	(67.5)	(144.8)	42.7	1,032.0	(1,040.7)	(30.0)	(10.0)	1.2
156.9	(252.7)	77.7	38.0	(241.7)	(42.3)	12.0	(49.7)	61.1	36.8	(64.5)	25.2
25.8	18.1	175.9	75.6	17.9	(240.0)	(17.4)	(80.8)	(5.7)	-	-	2.7
(15.5)	(31.4)	69.0	(19.3)	37.3	(27.1)	(10.6)	14.4	6.3	-	-	-
(131.4)	(115.7)	(62.7)	(29.2)	(78.6)	(43.9)	0.4	20.1	48.8	-	-	79.0
(70.3)	121.8	21.5	3.7	(3.1)	4.0	94.8	86.5	1.8	-	-	7.2
7.5	9.7	22.8	(63.9)	(50.3)	57.6	5.5	0.8	15.8	-	-	-
1,165.2	200.1	(4,163.7)	105.2	373.8	(185.8)	(980.5)	2,169.4	(3,868.4)	(1,578.1)	2,405.1	(2,378.6)
(250.1)	44.6	31.3	(66.5)	6.3	91.7	(195.6)	(55.2)	(470.6)	35.0	(40.0)	55.0
(20.3)	9.8	(4.8)	(27.9)	4.4	39.6	(2.6)	0.2	0.8	-	-	-
19.9	(2.7)	(20.1)	(34.5)	(18.9)	(18.4)	24.9	29.8	(6.6)	2.2	(0.6)	5.1
16.6	13.9	(17									

Step 1 Results

DEP			TACC		
2017	2018	2019	2017	2018	2019
111.0	113.0	103.0	(683.0)	433.0	(457.0)
460.7	532.1	533.2	(1,508.5)	(2,715.1)	485.1
15.0	17.1	14.5	(194.1)	186.4	(7.4)
23.3	31.5	26.9	139.9	(230.4)	11.8
30.4	28.7	29.3	(27.7)	5.7	(68.1)
150.8	139.4	135.1	21.1	(268.8)	(305.3)
34.7	33.4	34.2	(57.4)	(47.8)	(2.0)
81.4	75.8	72.7	(170.5)	(160.2)	38.5
10.2	8.3	6.7	(28.2)	(24.4)	(74.6)
31.6	28.9	31.7	(11.0)	(19.4)	(17.0)
54.7	56.3	63.7	(98.4)	(23.7)	(81.7)
88.3	84.6	82.3	(40.1)	(1,177.0)	(175.9)
9.9	10.0	12.9	(486.7)	(142.9)	(65.5)
444.8	279.5	278.9	(198.1)	(685.2)	(312.4)
6.0	5.7	5.2	(129.8)	(73.6)	32.9
225.4	237.4	237.4	17.4	1,759.7	(234.9)
140.0	155.1	174.9	(232.1)	(44.7)	149.8
91.1	91.3	104.2	(120.2)	186.2	29.0
487.3	489.1	434.4	(308.8)	(49.5)	(498.7)
25.4	25.1	23.5	(96.1)	16.7	74.6
284.0	273.9	265.6	(1,596.5)	(1,856.8)	(936.6)
197.8	190.4	209.1	(1,216.7)	(491.1)	82.7
75.9	96.9	92.0	(585.0)	209.0	(492.8)
57.7	66.1	111.2	(99.5)	(117.9)	(49.8)
28.2	31.4	27.4	(91.0)	(42.2)	(43.3)
59.8	70.8	60.0	43.3	97.9	(7.5)
4.7	4.0	4.1	1.1	28.3	52.9
2.6	5.7	5.5	(10.2)	(5.9)	(10.5)
0.6	0.6	0.6	(0.8)	(0.7)	(0.2)
0.3	0.4	0.4	(1.2)	1.1	(0.5)
71.4	64.8	80.3	11.8	(100.3)	(178.6)
66.3	70.1	66.2	(38.4)	(31.9)	(256.9)
1.4	1.5	0.9	(0.7)	1.9	(0.6)
7.0	7.4	6.5	(2.0)	(0.3)	(23.6)
2.3	2.3	1.9	(3.5)	(6.1)	(3.3)
0.7	0.7	0.8	(1.2)	(0.6)	(0.2)
3.7	3.6	3.6	(2.2)	(8.2)	1.5
2.0	2.1	1.9	5.4	(13.9)	(3.3)
2.1	2.1	2.0	3.4	1.2	(1.3)
20.3	14.5	17.7	(35.0)	25.4	(33.6)
1.1	1.8	3.0	(1.6)	(1.9)	(5.5)
2.4	2.3	1.9	(0.4)	(30.9)	42.3
2.2	2.0	2.0	(2.2)	(2.0)	(2.0)
1.9	2.0	2.0	0.4	(3.2)	2.4
1.2	0.9	0.8	(0.4)	4.9	(1.4)
0.9	0.8	0.6	(5.3)	(0.8)	(1.7)
0.0	0.0	0.0	(0.6)	0.6	(1.8)
2.5	3.6	3.9	2.7	(1.7)	(2.1)
9.0	10.9	9.8	(39.7)	(15.7)	(6.1)
6.3	8.4	9.0	(3.8)	(13.2)	7.0
1.2	1.1	1.2	(4.8)	(1.1)	0.3
1.4	1.1	1.0	10.1	6.2	(5.1)
4.0	5.7	5.7	(7.0)	(0.8)	0.3
2.5	2.4	2.4	(6.9)	(10.6)	(2.1)
0.8	0.8	0.7	0.6	(6.3)	4.2
5.6	6.2	6.4	(14.0)	(10.7)	19.3
6.1	3.5	3.2	(16.0)	(16.4)	5.5
10.6	10.8	8.1	(16.7)	(17.1)	4.1
2.0	3.1	3.2	(7.6)	(9.3)	9.0
0.1	0.1	0.1	1.5	(2.3)	0.2
29.8	31.4	60.5	3.0	(10.9)	(73.5)
8.9	8.3	9.8	(9.3)	(17.8)	(12.3)
3.1	3.0	3.1	(4.7)	(1.2)	(5.4)
0.0	0.0	0.0	(3.4)	7.2	(1.0)
5.8	6.1	6.6	(65.3)	(224.2)	116.3
4.9	5.8	6.0	(488.7)	(235.1)	6.1
108.0	100.2	128.8	2,340.1	(1,069.8)	(1,008.4)
37.0	51.5	48.6	1,032.9	2,707.1	319.9
5.0	4.3	4.8	44.8	(52.5)	(18.3)
2.8	2.3	1.7	32.2	(29.3)	(35.3)
5.3	3.8	2.7	19.5	57.9	(102.0)
2.4	1.7	1.6	22.1	(85.4)	(61.6)
21.0	10.8	9.3	391.9	(1,744.8)	719.5
758.7	1,003.2	1,562.7	(16,730.6)	45,301.2	(18,987.1)
16.6	13.1	28.8	(131.3)	465.7	137.6
4.4	5.6	4.0	(168.7)	92.3	(214.7)
2.3	1.8	1.7	7.0	(58.2)	(52.7)
2.1	1.5	0.3	66.8	19.9	12.6
4.2	5.1	3.7	(5.2)	(77.2)	98.9
2.7	3.0	2.4	13.8	16.7	(114.1)
2.3	2.3	2.3	54.1	32.6	18.0
1.4	1.4	1.4	156.9	197.8	7.1
2.7	2.7	3.0	88.6	(62.3)	11.8
4.4	3.7	2.8	1.1	(84.2)	(0.9)
0.3	0.4	0.3	211.5	46.5	39.2
25.0	22.6	31.9	(173.0)	(159.2)	(39.4)
21.3	11.4	9.8	(9.3)	(1,468.1)	262.9
12.9	20.4	38.0	503.3	699.2	(327.7)
8.2	6.8	1.9	52.2	(89.0)	(23.5)
58.8	71.6	84.2	449.7	187.1	(29.6)
8.3	7.6	23.6	(457.4)	2,485.9	(1,890.2)
9.6	9.4	10.8	290.4	(882.2)	363.1
5.8	5.5	5.1	137.9	(31.3)	79.0
0.8	0.7	1.2	(33.2)	80.4	422.9
0.5	0.9	1.0	13.9	(84.0)	88.9
3.9	4.1	4.3	(106.6)	(61.3)	7.1
16.2	13.1	10.5	(117.4)	72.6	(41.2)
2.2	4.9	5.1	(3.9)	7.0	(2.1)
76.4	24.1	36.5	386.0	38.0	(2,524.6)
6.3	6.7	6.6	40.6	46.8	458.7
0.6	0.6	0.6	9.6	5.0	(45.7)
0.3	1.5	2.0	11.3	(15.6)	8.1
0.8	0.9	1.0	17.3	(2.0)	(17.1)
2.9	2.8	2.7	37.9	63.9	(29.3)
0.3	0.3	0.7	47.5	(28.5)	5.0
2.7	4.0	3.3	(76.5)	90.4	(26.7)
2.2	2.1	1.9	(35.9)	46.9	(4.4)
25.1	25.7	28.1	(31.4)	(127.6)	(8.2)
9.4	12.6	13.3	(822.3)	(99.1)	315.4
6.5	5.5	5.0	(87.9)	(31.3)	(39.2)
6.6	6.7	12.6	43.6	(65.9)	(134.1)
0.5	0.7	1.1	2.2	1.3	(1.6)
0.3	0.3	0.3	(62.3)	16.9	11.0
8.5	3.7	4.0	64.9	(145.5)	(85.0)
14.3	13.7	13.9	10.9	(16.8)	(25.8)
1.4	1.8	1.4	55.8	(118.7)	52.9
18.9	17.6	27.4	(65.0)	(10.9)	(17.7)
20.0	12.1	6.0	(123.8)	(95.6)	34.8
3.6	3.6	4.1	(17.3)	7.1	(5.2)
8.4	7.6	7.6	(227.6)	(28.9)	(596.0)

A_(t-1)			
2016 A	2017 A	2018 A	2019 A
3,765.0	3,782.0	3,167.0	3,202.0
11,438.3	12,205.4	15,216.6	15,010.2
2,100.9	2,043.1	1,956.8	1,785.0
1,260.9	1,159.8	938.1	977.0
635.2	650.2	665.7	606.8
5,756.3	5,801.0	5,497.0	5,486.8
1,235.6	1,102.5	1,030.1	989.9
3,492.0	3,408.8	3,333.3	3,481.4
601.7	570.5	642.6	599.2
409.5	379.0	387.7	478.6
1,791.7	1,835.2	2,032.2	2,155.3
3,473.4	3,527.7	2,892.4	2,450.4
10,014.9	8,669.8	9,046.2	9,020.6
15,226.0	15,843.6	18,137.4	17,494.1
1,054.5	1,297.8	1,370.1	1,423.2
35,185.8	35,225.8	37,069.7	35,870.3
3,709.6	3,898.0	3,773.0	3,498.2
4,597.8	4,581.2	4,738.4	4,778.8
11,117.4	10,428.5	10,342.9	10,766.9
2,039.7	2,062.3	2,291.0	2,527.8
22,057.6	18,805.4	17,807.5	17,670.8
11,339.7	12,431.3	13,774.8	12,653.2
7,731.9	11,561.5	12,999.3	13,436.8
2,209.3	2,219.4	2,400.9	2,545.8
162.6	165.8	168.4	174.3
208.5	195.2	199.8	254.8
65.9	63.9	61.4	60.3
32.4	38.4	44.5	48.2
51.2	48.5	33.7	32.1
27.9	22.9	20.1	15.7
43.0	42.4	41.1	42.7
484.8	426.3	419.5	304.4
75.0	80.6	89.5	92.1
285.3	294.9	330.4	298.7
65.9	63.9	61.4	60.3
32.4	38.4	44.5	48.2
51.2	48.5	33.7	32.1
85.7	98.5	109.9	118.3
259.2	329.3	288.7	294.8
147.7	161.6	180.8	189.2
30.7	27.6	20.6	20.7
177.2	177.9	177.2	194.4
82.9	95.4	91.6	92.5
23.3	23.9	25.0	25.0
43.5	53.2	71.2	119.6
196.1	198.0	188.9	239.6
400.5	407.7	310.4	426.3
8,227.7	8,346.9	9,504.5	9,662.5
2,342.2	2,178.8	2,105.7	1,966.4
2,867.8	2,731.2	2,577.5	2,484.3
1,367.4	1,322.5	1,285.6	1,313.9
1,251.3	1,250.2	1,150.1	1,552.1
2,693.6	2,435.0	2,514.2	2,764.9
1,927.6	1,884.2	1,874.2	1,813.9
4,273.6	4,156.7	4,115.6	4,200.2
4,022.1	3,942.4	3,734.3	3,690.5
2,513.2	2,418.2	2,280.3	2,319.3
1,157.2	1,231.0	1,229.8	1,266.6
5,810.6	5,681.7	5,763.2	5,643.4
25,202.5	25,022.9	24,387.5	22,207.3
20,185.8	19,764.5	19,072.1	18,070.4
1,319.5	1,253.8	1,026.7	935.8
15,803.5	15,980.2	15,379.9	23,991.3
41,030.5	40,311.3	40,694.9	35,327.8
4,422.6	4,552.3	4,694.6	3,802.6
3,816.4	3,934.1	3,586.1	3,646.9
2,026.7	1,988.9	1,898.7	2,056.7
3,661.2	4,654.1	5,307.7	5,565.5
4,161.2	3,935.8	3,927.2	3,909.3
47.2	74.7	92.5	110.3
0.01	0.01	0.01	0.01
3,258.5	33,993.2	33,565.8	23,018.8
3,251.6	3,113.		

Δ(Rev) - t		
2017 A	2018 A	2019 A
58.0	20.0	(11.0)
2,086.2	3,137.2	(1,556.5)
(48.6)	21.5	(35.6)
(215.7)	(258.6)	(133.8)
(30.3)	30.0	(47.5)
61.8	(126.4)	(154.0)
(53.9)	(25.1)	8.4
95.8	59.0	(65.2)
23.5	(5.0)	(17.2)
(0.4)	6.5	(29.7)
37.2	(53.1)	(29.3)
(299.9)	(434.8)	(418.3)
#####	(317.7)	7.6
(32.4)	(600.3)	(204.5)
21.5	(42.9)	17.2
(45.8)	1,162.5	(695.2)
(110.8)	(185.6)	(145.1)
(86.0)	(37.2)	(73.2)
(585.9)	116.3	491.6
(695.7)	(38.8)	(6.2)
(60.3)	(71.2)	(18.5)
3,647.6	5,783.0	(708.6)
2,155.7	3,732.2	818.2
260.7	130.8	(10.8)
1.6	13.6	6.5
(13.3)	46.0	113.8
51.5	20.2	31.7
(0.9)	(0.4)	(3.3)
0.5	0.1	(0.0)
6.2	1.5	(0.5)
188.0	53.6	118.1
12.3	26.4	(4.4)
2.4	(0.4)	(0.4)
(20.7)	19.1	(6.9)
(0.9)	(2.9)	0.8
(0.2)	(0.2)	(1.0)
13.6	4.8	(36.9)
28.3	19.5	(12.2)
(0.6)	(1.7)	0.7
(47.8)	(3.9)	(40.3)
0.7	4.6	2.5
29.5	217.9	(97.0)
(5.2)	(1.0)	1.1
3.2	3.7	1.7
(5.1)	(1.5)	(0.6)
(1.3)	(0.3)	(0.2)
(0.2)	0.4	(0.1)
7.3	7.5	4.0
47.4	30.0	(62.1)
39.6	11.2	(5.0)
(6.0)	(3.1)	(0.8)
(27.5)	21.3	(13.6)
5.1	20.2	(20.7)
(1.3)	1.9	(12.3)
0.8	(0.3)	(0.3)
20.8	0.6	10.1
(70.5)	(3.0)	15.1
9.2	2.2	(12.4)
27.9	37.5	(14.2)
0.6	(0.3)	(0.0)
173.0	143.2	28.4
(1.3)	(1.0)	(14.4)
4.1	7.8	(4.7)
15.1	3.0	2.8
(51.8)	1,767.0	504.6
(691.0)	191.8	377.7
9,064.9	6,787.2	(6,936.2)
2,622.1	2,084.8	3,565.5
37.7	9.7	(70.6)
(113.3)	(41.8)	189.5
47.2	18.4	(174.4)
91.7	(50.2)	25.3
1,297.3	1,566.6	(1,495.7)
6,767.1	19,362.4	(29,391.0)
(96.5)	1,100.4	(572.3)
(185.1)	113.3	(154.3)
(285.0)	(67.8)	138.0
(107.6)	31.4	78.4
(398.3)	(370.2)	79.8
(216.0)	(74.9)	163.1
(79.9)	(17.2)	89.2
(712.2)	(176.1)	412.6
(369.7)	(149.5)	208.6
(54.0)	(128.2)	32.1
153.2	(28.8)	91.5
(525.4)	(90.2)	(35.4)
1,297.3	1,566.6	(1,495.7)
990.3	407.6	(1,563.6)
38.6	25.6	(14.3)
944.5	576.3	403.9
1,375.1	2,279.2	(2,726.8)
245.2	363.7	(153.7)
(351.2)	(305.0)	181.2
(66.5)	(190.5)	186.5
(226.1)	(200.2)	366.1
(377.0)	(226.8)	280.7
(593.6)	(65.0)	322.1
(10.5)	7.5	39.0
2,176.9	(7,731.1)	(46.4)
(288.2)	(70.1)	280.8
(39.3)	17.4	9.0
(11.5)	10.0	0.6
16.1	(18.2)	(22.3)
136.6	62.6	(142.5)
103.1	66.2	31.3
145.8	25.7	(98.4)
20.4	97.7	(127.9)
194.7	138.7	42.8
54.2	1.2	70.2
(14.9)	(163.9)	(128.3)
(189.9)	(175.3)	281.8
(14.8)	(6.2)	(0.8)
18.6	99.1	(37.7)
27.1	(362.7)	435.4
(129.3)	(46.4)	4.7
(84.3)	(83.3)	(123.7)
(163.8)	(111.7)	207.0
(222.1)	(477.5)	(483.8)
17.1	16.6	19.9
(571.7)	155.3	(167.2)

Δ(REC)(t)			term2 Δ(REV) - Δ(REC)_t / A(t-1)		
2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
(743.0)	(76.0)	(28.0)	0.21	0.03	0.01
507.1	18.4	831.2	0.14	0.26	(0.15)
(5.7)	(11.8)	(19.7)	(0.02)	0.02	(0.01)
61.7	42.7	73.0	(0.22)	(0.26)	(0.22)
2.0	22.0	(0.6)	(0.05)	0.01	(0.07)
103.9	(118.1)	17.0	(0.01)	(0.00)	(0.03)
(23.1)	(18.5)	3.3	(0.03)	(0.01)	0.00
66.7	(20.7)	(3.4)	0.01	0.02	(0.02)
13.0	(6.9)	(10.0)	0.02	0.00	(0.01)
(5.3)	(0.9)	(11.1)	0.01	0.02	(0.05)
7.9	34.9	18.8	0.02	(0.05)	(0.02)
(13.1)	(487.9)	(191.0)	(0.08)	0.02	(0.08)
(560.5)	(83.6)	17.1	(0.07)	(0.03)	(0.00)
258.9	(460.0)	15.9	(0.02)	(0.01)	(0.01)
(0.8)	(18.7)	24.7	0.02	(0.02)	(0.01)
73.3	(878.3)	18.0	(0.00)	0.06	(0.02)
52.5	49.3	25.7	(0.04)	(0.06)	(0.05)
8.7	32.4	27.7	(0.02)	(0.02)	(0.02)
43.5	38.2	220.9	(0.06)	0.01	0.03
(198.6)	(26.1)	7.4	(0.24)	(0.01)	(0.01)
44.2	(62.6)	(37.5)	(0.00)	(0.00)	0.00
(48.8)	222.0	(1,032.6)	0.33	0.45	0.02
613.6	(5.2)	369.1	0.20	0.32	0.03
(1.7)	(5.4)	0.9	0.12	0.06	(0.00)
(32.6)	(20.0)	3.2	0.03	0.03	0.00
10.4	5.4	3.2	(0.01)	0.02	0.05
3.9	(2.1)	0.9	0.09	0.04	0.05
(2.3)	(3.4)	(2.3)	0.01	0.02	(0.01)
0.2	0.3	0.2	0.02	(0.01)	(0.01)
0.1	0.6	(0.1)	0.42	0.06	(0.03)
26.1	(9.4)	24.1	0.14	0.04	0.04
10.7	26.1	6.8	0.00	0.00	(0.01)
0.0	0.9	0.2	0.01	(0.01)	(0.00)
(2.5)	12.2	7.7	(0.09)	0.04	(0.07)
0.0	0.3	(0.2)	(0.01)	(0.05)	0.02
0.1	0.3	0.2	(0.02)	(0.04)	(0.09)
0.8	(3.0)	(8.6)	0.09	0.05	(0.20)
9.7	(2.4)	0.7	0.32	0.32	(0.18)
1.4	(0.3)	0.0	(0.05)	(0.03)	0.02
(28.0)	13.3	(58.4)	(0.04)	(0.04)	0.04
(0.5)	1.3	0.1	0.02	0.04	0.03
(5.5)	8.1	9.3	0.12	0.71	(0.32)
0.5	(0.7)	0.2	(0.09)	(0.00)	0.01
1.6	(3.8)	4.4	0.05	0.19	(0.06)
(0.0)	(3.0)	0.7	(0.10)	0.03	(0.04)
0.3	(2.5)	0.1	(0.06)	0.10	(0.01)
(0.7)	-	(0.0)	0.01	0.01	(0.00)
2.5	1.1	1.4	0.06	0.06	0.02
37.4	(42.1)	18.8	0.04	0.22	(0.28)
(0.3)	(13.2)	21.3	0.27	0.15	(0.15)
(1.4)	(0.8)	1.8	(0.15)	(0.08)	(0.12)
(8.2)	(0.0)	(1.0)	(0.11)	0.12	(0.07)
5.8	(6.1)	1.0	(0.01)	0.28	(0.24)
2.1	(4.1)	(1.6)	(0.03)	0.04	(0.08)
0.6	0.3	0.1	0.01	(0.01)	(0.01)
4.7	(6.8)	13.0	0.08	0.04	(0.02)
6.6	(18.0)	14.0	(0.19)	0.04	0.00
1.5	(1.8)	(1.6)	0.08	0.04	(0.11)
20.6	(5.4)	6.0	0.19	0.62	(0.30)
0.0	0.0	0.1	0.03	(0.01)	(0.01)
61.2	34.3	(6.6)	0.07	0.06	0.02
1.0	(1.8)	(5.4)	(0.01)	0.00	(0.03)
(1.3)	(0.2)	(0.4)	0.05	0.07	(0.04)
7.6	3.8	-	0.02	(0.00)	0.01
64.0	45.1	(38.0)	(0.08)	0.96	0.16
523.3	(75.1)	631.5	(0.06)	0.01	(0.01)
177.3	(146.6)	(81.7)	0.15	0.11	(0.11)
612.1	322.4	894.9	0.02	0.02	0.03
13.5	(3.0)	1.5	0.04	0.02	(0.10)
(1.0)	(17.0)	21.7	(0.19)	(0.04)	0.30
(7.4)	(6.3)	(57.9)	0.02	0.01	(0.05)
62.7	(0.2)	38.6	0.02	(0.04)	(0.01)
547.6	(69.2)	(134.8)	0.03	0.08	(0.06)
2,717.1	(782.3)	(5,228.8)	0.01	0.06	(0.08)
(131.4)	231.8	33.2	0.00	0.10	(0.06)
(38.4)	62.1	(66.2)	(0.06)	0.02	(0.04)
(5.2)	(19.0)	3.4	(0.10)	(0.02)	0.05
(5.2)	(2.1)	6.1	(0.07)	0.03	0.06
(20.2)	(8.0)	36.5	(0.30)	(0.29)	0.04
(70.4)	15.7	5.0	(0.05)	(0.04)	0.06
(12.7)	(0.6)	0.9	(0.03)	(0.01)	0.05
(8.0)	(0.2)	4.1	(0.16)	(0.04)	0.10
(12.0)	12.5	4.9	(0.09)	(0.04)	0.05
68.6	(41.8)	5.6	(0.05)	(0.04)	0.01
4.9	1.1	-	0.13	(0.02)	0.07
468.7	134.2	(109.6)	(0.17)	(0.04)	0.01
550.6	(65.9)	(134.0)	0.03	0.07	(0.06)
726.4	(517.3)	(351.9)	0.01	0.05	(0.06)
(16.3)	(45.0)	(25.2)	0.04	0.06	0.01
258.3	(219.4)	182.4	0.04	0.05	0.01
(0.3)	265.5	(288.7)	0.03	0.05	(0.06)
(30.4)	(25.7)	30.5	0.06	0.09	(0.04)
88.0	(49.2)	14.5	(0.12)	(0.07)	0.05
1.8	(14.6)	(1.7)	(0.03)	(0.08)	0.08
(19.0)	(48.6)	(7.4)	(0.10)	(0.08)	0.20
(33.4)	(20.5)	39.9	(0.09)	(0.04)	0.05
(22.1)	73.2	58.2	(0.14)	(0.04)	0.07
(1.0)	5.6	3.1	(0.20)	0.03	0.39
644.5	(75.8)	(1,068.7)	0.05	0.05	(0.23)
(28.9)	(23.8)	(5.8)	(0.08)	(0.01)	0.09
(6.9)	10.7	1.6	(0.07)	0.01	0.02
(5.0)	9.6	16.0	(0.03)	0.00	(0.05)
15.3	9.8	(7.7)	0.00	(0.03)	(0.02)
35.3	(52.7)	3.0	0.07	0.07	(0.10)
42.3	11.3	(18.8)	0.16	0.14	0.10
25.3	(5.4)	(14.4)	0.07	0.02	(0.06)
11.1	17.0	(18.6)	0.02	0.15	(0.19)
87.6	(18.9)	(81.5)	0.10	0.12	0.11
(9.5)	27.7	(141.3)	0.02	(0.01)	0.07
52.7	(4.0)	49.3	(0.06)	(0.14)	(0.16)
(18.6)	(31.9)	94.9	(0.09)	(0.08)	0.11
5.1	(1.1)	3.2	(0.15)	(0.04)	(0.03)
(61.5)	15.8	2.4	0.69	4.37	(0.52)
198.8	(63.5)	174.5	(0.11)	(0.18)	0.16
(34.9)	(9.0)	8.8	(0.20)	(0.10)	(0.01)
(16.0)	(60.2)	(64.0)	(0.07)	(0.03)	(0.08)
45.8	12.8	58.8	(0.07)	(0.04)	0.05
(134.8)	(133.6)	(59.4)	(0.04)	(0.18)	(0.30)
(4.0)	13.6	(6.6)	0.03	0.00	0.04
(151.1)	236.4	(150.7)	(0.12)	(0.03)	(0.01)

(PPE)(t) / A (t-1)		
2018 A	2019 A	2016 A
0.66	0.63	0.67
0.73	0.74	0.61
0.52	0.54	0.57
0.44	0.46	0.57
1.33	1.30	1.29
0.67	0.65	0.67
0.67	0.75	0.79
1.00	1.04	1.11
0.64	0.61	0.63
1.24	1.34	1.54
1.00	1.07	1.00
0.59	0.59	0.70
0.06	0.07	0.07
0.76	0.71	0.62
0.06	0.05	0.06
0.19	0.20	0.19
1.13	1.11	1.15
0.62	0.62	0.62
0.95	1.02	1.02
0.49	0.57	0.62
0.30	0.36	0.39
0.27	0.34	0.35
0.17	0.14	0.13
0.62	0.66	0.64
0.98	1.05	1.10
0.51	0.51	0.54
0.13	0.11	0.12
0.83	0.91	0.96
0.76	0.80	0.73
0.83	0.90	0.94
2.16	1.81	1.53
0.77	0.77	0.84
0.20	0.20	0.07
0.91	0.98	1.09
0.71	0.72	0.90
1.13	1.06	1.11
0.53	0.50	0.53
0.69	0.60	0.58
0.88	0.90	0.95
0.54	0.57	0.56
1.07	1.08	0.99
0.19	0.18	0.18
1.10	1.12	1.15
0.84	0.77	0.68
0.25	0.16	0.25
0.44	0.45	0.53
0.17	0.17	0.18
0.73	0.71	0.64
0.33	0.27	0.30
0.58	0.88	0.82
0.64	0.72	0.93
0.23	0.23	0.25
0.45	0.45	0.52
0.36	0.36	0.38
0.03	0.02	0.01
0.70	0.68	0.74
0.34	0.18	0.62
1.38	1.49	1.46
0.76	0.46	0.40
0.21	0.20	0.20
0.35	0.29	0.27
0.93	0.93	0.95
0.98	1.02	1.07
0.00	0.00	0.00
1.01	1.07	1.02
1.08	1.09	1.04
1.08	1.06	1.27
0.98	0.99	1.00
0.95	1.16	1.32
0.43	0.51	0.52
1.40	1.45	1.58
0.86	0.89	0.94
0.92	0.95	0.98
1.09	1.09	1.16
1.24	1.29	1.20
0.81	0.87	0.93
1.08	1.14	1.21
0.89	0.93	0.96
0.62	0.63	0.72
1.20	1.32	1.28
1.25	1.27	1.28
1.54	1.60	1.62
1.61	1.49	1.59
0.54	0.97	1.06
0.94	0.89	0.90
0.53	0.54	0.55
0.81	0.82	0.84
1.03	1.09	1.16
1.12	1.14	1.41
1.03	1.06	1.43
1.13	1.16	1.16
0.80	0.84	0.81
1.37	1.35	1.51
1.06	1.00	1.03
1.15	1.18	1.25
1.85	1.66	1.55
1.81	1.93	1.98
1.02	0.82	0.66
0.57	0.47	0.20
0.75	0.80	0.80
1.42	1.60	1.59
1.08	0.04	1.04
0.72	0.64	0.58
1.14	1.18	1.31
0.73	0.81	0.73
1.33	1.51	1.68
0.91	0.94	0.86
0.74	0.62	0.75
0.45	0.47	0.63
0.49	0.54	0.56
0.46	0.52	0.89
0.59	0.57	0.56
0.04	0.27	0.08
0.54	0.44	0.45
1.13	1.45	1.61
0.51	0.62	0.72
1.19	1.39	1.44
0.89	0.76	1.05
0.53	0.56	0.53
0.44	0.45	0.50

FD	FD	FD
2017 A	2018 A	2019 A
(0,0)	(0,1)	(0,0)
3,1	0,1	(0,4)
0,0	(0,0)	(0,1)
(0,7)	1,7	0,0
0,1	(0,0)	0,0
(0,1)	0,0	0,1
(0,0)	(0,1)	(0,1)
(0,1)	(0,1)	0,1
0,3	0,1	0,4
(0,3)	(0,1)	0,1
(0,0)	0,2	0,1
0,1	0,7	1,1
(0,2)	0,0	0,0
(0,1)	(0,0)	0,0
(1,9)	0,3	(0,1)
(0,0)	(0,0)	0,0
0,0	(0,1)	(0,0)
(0,1)	(0,0)	(0,0)
(0,1)	0,1	0,1
0,0	0,1	0,2
(0,2)	(0,2)	(0,0)
0,1	(0,0)	(0,2)
1,3	0,7	0,1
0,0	0,1	0,1
(0,0)	0,0	0,1
(0,0)	(0,1)	0,0
0,1	0,0	(0,3)
0,7	0,8	1,1
(0,0)	0,1	(0,0)
0,0	0,0	0,0
0,4	0,5	0,2
0,1	(0,1)	0,1
(0,0)	(0,0)	0,0
(0,0)	0,1	0,4
0,1	0,1	0,1
0,1	(0,0)	(0,0)
0,0	(0,1)	(0,1)
0,1	0,1	(0,0)
(0,0)	(0,0)	(0,0)
(0,0)	0,0	0,0
(0,0)	(0,1)	(0,2)
1,3	(1,1)	0,3
(0,0)	(0,0)	0,0
0,6	0,2	(0,1)
(0,1)	(0,1)	(0,1)
0,2	(0,1)	(0,1)
(0,0)	(0,1)	0,2
(0,1)	(0,0)	0,2
(0,7)	(0,0)	0,9
0,2	(0,7)	1,0
(0,3)	(0,2)	(0,0)
1,3	(0,3)	(0,4)
(0,0)	0,0	(0,0)
0,1	0,0	0,1
(0,0)	0,0	(0,1)
0,0	(0,0)	0,0
0,3	2,6	(1,2)
0,1	0,0	(0,0)
(0,8)	(0,0)	1,3
(0,1)	(0,1)	(0,3)
0,0	(0,0)	0,0
(0,0)	0,0	0,3
0,0	(0,2)	(0,0)
(0,1)	0,4	0,1
(0,4)	(0,5)	(0,4)
(0,0)	(0,1)	(0,2)
(0,0)	(0,0)	0,0
0,4	0,1	0,2
(0,0)	(0,0)	(0,1)
(0,0)	(0,0)	(0,0)
0,0	0,0	0,8
(0,1)	0,0	0,0
(0,0)	(0,0)	(0,1)
(0,0)	(0,0)	(0,0)
0,0	0,0	(0,0)
(0,1)	0,0	0,0
(0,0)	(0,0)	(0,2)
(0,0)	0,7	0,3
(0,4)	(0,3)	(0,3)
(0,1)	(0,1)	0,0
0,5	5,8	2,6
(0,2)	(0,2)	(0,8)
(0,2)	(0,3)	(0,2)
0,0	(0,0)	(0,3)
0,2	(0,0)	(0,0)
(0,0)	(0,0)	(0,0)
0,0	0,0	(0,0)
0,3	0,2	(0,0)
0,1	0,0	0,0
(0,1)	0,0	(0,1)
(0,4)	(0,5)	(0,7)
(0,1)	0,0	(0,1)
(0,0)	(0,0)	0,0
0,1	0,4	0,1
(0,0)	(0,0)	0,0
(0,1)	(0,1)	0,2
(0,6)	(1,0)	0,0
0,1	0,2	(0,1)
0,3	0,2	(0,1)
(0,1)	0,3	(0,4)
(0,1)	0,1	0,0
(0,2)	0,6	0,8
(0,1)	0,2	0,1
0,6	(0,6)	0,0
(0,1)	0,1	0,3
(0,2)	(0,1)	0,1
(0,4)	0,1	(0,1)
0,1	0,2	0,1
1,8	(0,7)	4,6
0,0	0,0	(0,0)
(0,2)	1,0	2,9

FP	FP	FP
2017 A	2018 A	2019 A
0.409	(0.6)	0.7
(0.0)	0.0	0.0
(0.2)	(0.4)	0.5
0.1	(0.4)	0.2
(0.1)	0.2	(0.4)
0.1	(0.0)	(0.0)
(0.0)	(0.1)	0.0
0.1	0.0	(0.0)
(0.3)	(0.4)	(0.2)
0.0	0.1	0.0
(0.0)	(0.1)	(0.0)
(0.1)	(0.9)	(0.8)
0.1	0.0	(0.1)
0.0	0.1	0.0
(0.0)	(0.0)	(0.0)
0.1	0.2	(0.4)
(0.1)	0.1	(0.2)
0.0	(0.0)	(0.1)
0.0	(0.1)	0.1
0.3	0.0	(0.2)
(0.1)	0.0	0.0
(0.0)	(0.0)	0.0
(0.0)	(0.0)	(0.0)
0.0	0.0	(0.0)
0.0	0.0	(0.0)
(1.0)	0.7	(0.2)
0.6	(0.5)	0.1
0.1	0.0	(0.0)
0.0	(0.0)	(0.1)
(0.1)	0.1	0.0
(0.1)	0.0	0.0
(0.1)	(0.1)	0.0
(0.0)	0.0	0.0
(0.1)	0.0	0.0
(0.0)	(0.0)	(0.0)
(0.0)	(0.0)	(0.0)
0.0	0.0	0.1
0.0	0.0	(0.1)
(2.4)	0.0	0.0
0.0	0.0	0.0
(0.0)	0.0	0.0
(0.3)	0.1	0.4
0.1	(0.0)	(0.0)
0.0	(0.0)	(0.0)
0.0	0.0	(0.1)
0.1	(0.1)	(0.1)
0.2	(0.1)	(0.1)
(0.8)	(0.3)	0.5
0.0	0.0	(0.0)
1.4	0.4	(1.1)
0.5	(0.2)	(1.5)
4.6	(2.4)	(0.1)
0.0	0.0	0.0
0.0	0.0	0.0
(0.0)	0.0	0.0
(0.3)	0.1	0.4
0.1	(0.0)	(0.0)
0.0	(0.0)	(0.0)
0.0	0.0	(0.1)
0.1	0.0	(0.0)
0.1	(0.1)	(0.1)
0.2	(0.1)	(0.1)
0.0	0.1	(0.1)
(0.0)	0.0	0.0
0.1	0.0	(0.2)
0.0	0.0	(0.0)
(0.0)	(0.1)	(0.0)
0.1	0.0	0.0
3.4	0.3	0.0
(0.0)	(0.0)	0.0
(0.1)	(0.1)	0.0
0.0	(0.0)	(0.0)
0.1	0.1	(0.2)
(0.0)	(0.0)	(0.0)
(0.1)	(0.0)	0.0
0.1	0.1	(0.2)
(0.3)	(0.2)	0.4
(0.3)	(0.2)	0.3
(0.0)	(0.1)	(0.0)
(0.1)	(0.0)	0.1
(0.4)	(0.5)	0.8
(0.1)	(0.1)	0.1
(0.1)	(0.2)	0.1
(0.1)	(0.4)	0.3
0.6	(0.3)	0.3
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	(0.1)	0.2
0.1	0.0	(0.1)
0.0	0.1	(0.2)
(0.1)	(0.0)	0.0
(0.1)	(0.4)	0.3
(0.2)	0.2	0.0
(0.1)	(0.1)	0.2
(0.2)	(0.2)	0.4
(0.1)	(0.0)	(0.0)
0.3	(0.2)	(0.7)
(0.1)	0.0	(0.1)
(0.1)	(0.0)	0.0
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.2)	0.2
0.1	(0.0)	0.0
0.0	(0.1)	(0.1)
(0.0)	(0.2)	0.1
(0.0)	(0.0)	(0.0)
17.1	5.8	(0.2)
(0.0)	(0.0)	(0.0)
(0.1)	(0.1)	0.0
(0.1)	(0.2)	0.1
(0.1)	(0.1)	0.2
0.1	(0.0)	(0.1)
0.1	0.1	(0.0)
0.0	(0.1)	(0.2)

	Coefficient
α_1	-0.348
α_2	0.12
α_3	-0.017

5.12.2 Saudi Arabia GCC Listed Companies DACC Results

58. Saudi Arabia Companies Figures

Δ(CA)_t			ΔCash			Δ(CL)_t			Δ(DCL)_t		
2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019
(249.7)	(0.2)	(77.5)	(54.0)	(32.8)	(20.2)	451.0	109.1	(389.2)	(166.1)	(10.0)	(3.2)
(63.1)	28.0	135.2	(0.8)	(9.9)	3.3	(121.7)	100.5	275.6	(9.1)	3.5	22.2
(70.8)	(15.3)	(69.8)	32.8	(32.2)	(3.8)	(55.6)	(23.0)	(28.6)	(33.3)	(65.7)	3.2
13.8	(125.4)	170.2	54.6	(31.3)	52.2	213.6	(0.3)	(155.2)	208.2	100.7	(263.5)
(116.0)	(261.4)	(109.8)	54.3	(68.1)	(8.4)	(66.1)	(195.7)	(292.7)	0.3	(85.9)	(150.5)
(24.8)	8.5	(70.7)	(18.4)	(3.2)	(68.6)	3.2	8.4	(1.3)	(4.1)	8.1	(0.3)
(315.5)	(65.9)	(295.1)	3.5	(26.3)	(3.5)	(61.6)	34.5	42.7	38.1	52.8	(254.1)
9.6	(11.9)	272.4	(35.4)	2.2	44.0	(69.3)	67.1	312.1	(40.9)	(60.6)	2.7
(88.2)	(18.4)	18.0	(42.3)	3.1	17.2	(71.2)	(18.4)	13.4	-	-	0.7
(64.8)	(88.7)	(61.4)	(12.7)	1.5	(1.4)	(133.6)	(59.7)	(113.3)	(24.3)	(86.4)	1.1
(63.6)	58.0	(13.5)	0.2	39.7	(23.4)	(1.8)	1.1	(1.5)	-	-	0.0
(2.9)	13.7	7.2	0.6	(3.0)	0.8	(6.3)	14.8	7.4	-	-	0.5
1.7	5.2	7.1	4.3	1.1	7.7	0.7	(3.1)	0.4	-	-	-
3,151.8	1,889.6	(3,116.1)	(1,254.8)	1,136.8	(947.6)	2,540.9	11,015.9	3,056.3	582.3	9,293.3	4,345.2
(251.0)	(241.0)	301.2	325.8	(269.0)	17.3	(18.8)	69.8	268.3	74.1	(187.5)	(3.4)
20.2	(57.6)	55.7	7.5	(0.0)	52.1	91.2	352.1	(100.8)	19.0	191.6	18.5
(81.2)	1.5	(88.9)	(1.7)	(31.6)	30.3	97.9	61.9	44.0	13.2	126.7	(47.5)
33.2	(18.4)	15.4	(3.4)	(2.2)	(5.6)	6.6	(78.9)	66.4	10.8	4.0	18.7
(1.8)	(126.4)	(29.5)	(55.0)	(66.0)	(27.2)	3.4	(12.2)	12.1	-	-	0.9
620.6	3,746.7	(127.7)	(18.1)	1,041.5	(1,788.3)	12.5	173.8	662.3	443.7	227.3	(629.8)
(7.6)	10.5	47.9	(23.2)	17.3	56.3	(19.4)	20.2	25.5	-	-	0.3
12.2	(103.0)	396.2	(4.2)	56.5	(129.8)	17.9	(86.3)	431.9	0.5	1.1	8.6
27.9	26.3	(15.2)	(6.8)	13.0	16.0	(8.7)	90.4	39.0	(19.0)	(6.6)	10.2
16.2	(61.6)	(119.3)	19.3	(121.3)	(6.7)	44.6	(28.1)	(24.8)	72.5	(26.2)	(11.6)
175.9	442.9	(1,238.3)	(355.5)	985.7	(765.9)	145.8	1,197.8	(1,352.6)	27.4	6.7	(151.4)
10,137.6	(10,175.6)	(20,065.5)	18,790.9	(53,912.2)	1,390.6	6,919.1	(11,191.0)	434.8	(399.4)	(8,623.2)	4,466.6
(247.9)	1,057.7	(82.0)	(40.4)	509.0	(61.0)	(92.8)	70.0	(173.9)	0.0	0.1	13.4
1,165.2	200.1	(4,163.7)	105.2	373.8	(185.8)	(980.5)	2,169.4	(3,868.4)	(1,578.1)	2,405.1	(2,378.6)
(20.3)	9.8	(4.8)	(27.9)	4.4	39.6	(2.6)	(0.2)	0.8	-	-	-
16.6	13.9	(17.7)	(7.2)	12.4	(17.9)	6.8	13.9	14.9	1.2	11.3	(1.5)
19.9	(2.7)	(20.1)	(14.5)	(18.9)	(18.4)	24.9	29.8	(6.6)	2.2	(0.6)	5.1
225.2	(140.5)	(14.7)	7.6	(3.3)	6.5	244.2	(13.2)	(49.1)	20.3	22.0	(8.0)
(82.9)	29.7	(31.5)	(19.0)	(9.2)	5.0	3.6	(10.0)	(10.1)	(6.3)	45.6	3.0
(9.3)	73.9	(87.4)	(10.4)	(7.6)	(18.6)	42.7	23.8	(63.4)	8.0	(8.8)	2.8
(56.4)	205.0	(141.5)	(56.9)	(63.1)	44.8	42.1	413.6	(152.2)	(106.4)	9.0	26.6
643.9	695.3	(1,249.6)	273.8	999.7	(448.6)	385.4	1,159.0	(1,225.1)	27.4	6.7	(151.4)
213.0	(355.5)	(384.8)	(624.0)	(1,026.1)	110.1	(208.1)	(979.3)	(191.1)	(528.9)	(930.4)	14.1
(17.0)	(91.0)	(59.3)	0.2	(1.4)	(10.9)	(74.4)	79.6	(8.5)	3.2	87.0	18.3
328.5	(638.2)	1,127.8	(99.9)	(709.2)	777.8	(254.0)	83.4	6.0	(174.0)	271.1	(289.4)
180.0	101.6	(812.8)	(192.7)	(67.5)	(144.8)	42.7	1,032.0	(1,040.7)	(30.0)	(10.0)	1.2
697.2	2,379.2	(3,757.1)	1,127.0	(137.4)	(1,463.9)	(142.4)	(54.5)	(409.2)	(161.8)	(77.6)	17.3
(9.4)	21.1	81.5	(80.3)	1.1	69.5	6.0	16.6	(10.5)	4.0	18.0	(9.7)
(40.0)	(66.7)	(44.1)	(35.8)	(1.0)	10.1	(12.9)	(48.7)	306.9	0.7	(39.6)	310.2
25.8	18.1	175.9	75.6	17.9	(240.0)	(17.4)	(80.8)	(5.7)	-	-	2.7
(250.1)	44.6	31.3	(66.5)	6.3	91.7	(195.6)	(55.2)	(470.6)	35.0	(40.0)	55.0
106.3	34.1	87.2	17.3	(26.8)	34.0	(112.6)	35.8	25.2	10.3	21.7	11.6
18.2	54.2	14.7	(18.2)	(2.5)	8.8	(72.1)	94.0	11.7	(60.8)	9.1	11.4
7.5	9.7	22.8	3.7	(3.1)	4.0	5.5	0.8	15.8	-	-	-
156.9	(252.7)	77.7	38.0	(241.7)	(42.3)	12.0	(49.7)	61.1	36.8	(64.5)	25.2
(131.4)	(115.7)	(62.7)	(29.2)	(78.6)	(43.9)	0.4	20.1	48.8	-	-	79.0
(70.3)	121.8	21.5	(63.9)	(50.3)	57.6	94.8	86.5	1.8	-	-	7.2
(15.5)	(31.4)	69.0	(19.3)	37.3	(27.1)	(10.6)	14.4	6.3	-	-	-
(39.2)	56.2	233.4	(115.1)	(8.2)	235.1	(82.4)	(134.8)	(10.2)	-	-	-
66.5	(45.8)	82.3	(13.1)	(46.5)	125.3	(18.4)	25.5	(57.3)	(6.7)	(34.8)	0.4
(184.8)	79.3	147.6	(98.3)	30.0	230.9	(160.4)	29.6	29.6	(57.5)	-	1.2
40.7	20.7	9.5	16.9	(7.1)	(7.9)	(97.9)	10.4	15.4	(65.2)	17.6	18.3
(27.2)	(111.8)	22.7	(38.6)	(50.1)	3.7	(61.1)	(69.7)	(31.4)	(67.0)	(88.5)	(48.6)

Step 1 Results			A_(t-1)				1					
DEP			TACC			TACC / A (t-1)						
2017	2018	2019	2017	2018	2019	2016 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
9.4	12.6	13.3	(822.3)	(99.1)	315.4	3,123.6	2,966.9	2,839.5	2,820.6	-0.26	-0.03	0.11
6.6	6.7	12.6	43.6	(65.9)	(134.1)	1,937.3	1,855.3	1,710.6	2,252.9	0.02	-0.04	-0.08
6.5	5.5	5.0	(87.9)	(31.3)	(39.2)	1,181.9	1,108.3	1,091.0	1,016.6	-0.07	-0.03	-0.04
18.9	17.6	27.4	(65.0)	(10.9)	(17.7)	3,045.6	2,909.2	2,866.2	2,989.1	-0.02	0.00	-0.01
20.0	12.1	6.0	(123.8)	(95.6)	34.8	2,245.5	1,954.1	1,396.6	1,247.5	-0.06	-0.05	0.02
3.6	3.6	4.1	(17.3)	7.7	(5.2)	643.9	643.2	710.7	673.8	-0.03	0.01	-0.01
8.4	7.6	7.6	(227.6)	(28.9)	(596.0)	3,411.3	3,178.9	2,869.0	2,418.8	-0.07	-0.01	-0.21
8.5	3.7	4.0	64.9	(145.5)	(85.0)	1,573.3	1,649.9	1,620.4	1,965.7	0.04	-0.09	-0.05
14.3	13.7	13.9	10.9	(16.8)	(25.8)	466.2	363.8	333.8	345.8	0.02	-0.05	-0.08
1.4	1.8	1.4	55.8	(118.7)	52.9	1,041.2	857.4	747.8	674.3	0.05	-0.14	0.07
0.3	0.3	0.3	(62.3)	16.9	11.0	116.2	19.1	76.7	62.8	-0.54	0.89	0.14
0.5	0.7	1.1	2.2	1.3	(1.6)	133.3	132.7	147.0	156.7	0.02	0.01	-0.01
0.0	0.0	0.0	(3.4)	7.2	(1.0)	374.5	380.8	441.0	465.0	-0.01	0.02	0.00
108.0	100.2	128.8	2,340.1	(1,069.8)	(1,008.4)	58,246.1	61,675.0	64,094.0	74,029.7	0.04	-0.02	-0.02
4.9	5.8	6.0	(488.7)	(235.1)	6.1	20,837.3	21,182.6	21,197.6	20,560.8	-0.02	-0.01	0.00
5.8	6.1	6.6	(65.3)	(224.2)	116.3	1,541.3	1,790.2	3,431.5	3,585.2	-0.04	-0.13	0.03
4.4	5.6	4.0	(168.7)	92.3	(214.7)	2,342.2	2,178.8	2,105.7	1,966.4	-0.07	0.04	-0.10
2.9	2.8	2.7	37.9	63.9	(29.3)	1,539.7	1,549.0	1,505.7	1,576.8	0.02	0.04	-0.02
5.0	4.3	4.8	44.8	(52.5)	(18.3)	660.9	681.1	692.6	756.4	0.07	-0.08	-0.03
37.0	51.5	48.6	1,032.9	2,707.1	319.9	94,142.8	95,117.0	98,138.3	97,657.6	0.01	0.03	0.00
2.8	2.3	1.7	32.2	(29.3)	(35.3)	581.4	560.3	562.9	603.2	0.06	-0.05	-0.06
4.2	5.1	3.7	(5.2)	(77.2)	98.9	1,251.3	1,250.2	1,150.1	1,552.1	0.00	-0.06	0.09
2.4	1.7	1.6	22.1	(85.4)	(61.6)	1,221.1	1,215.6	1,152.2	1,118.9	0.02	-0.07	-0.05
5.3	3.8	2.7	19.5	57.9	(102.0)	2,310.6	2,257.1	2,120.7	1,943.0	0.01	0.03	-0.05
21.0	10.8	9.3	391.9	(1,744.8)	719.5	22,259.6	21,612.5	21,018.8	19,015.7	0.02	-0.08	0.03
758.7	1,003.2	1,562.7	(16,730.6)	45,301.2	(18,987.1)	313,854.7	321,610.8	319,710.9	300,480.6	-0.05	0.14	-0.06
16.6	13.1	28.8	(131.3)	465.7	137.6	8,227.7	8,346.9	9,504.5	9,662.5	-0.02	0.06	0.01
76.4	24.1	36.5	386.0	38.0	(2,524.6)	32,585.5	33,993.2	33,565.8	23,018.8	0.01	0.00	-0.08
0.6	0.6	0.6	9.6	5.0	(45.7)	485.7	450.7	467.6	464.3	0.02	0.01	-0.10
0.8	0.9	1.0	17.3	(2.0)	(17.1)	721.3	808.6	804.8	739.2	0.02	0.00	-0.02
0.3	1.5	2.0	11.3	(15.6)	8.1	225.7	244.5	308.1	292.1	0.05	-0.06	0.03
25.1	25.7	28.1	(31.4)	(127.6)	(8.2)	1,069.6	1,287.6	1,127.6	1,133.9	-0.03	-0.10	-0.01
2.7	4.0	3.3	(76.5)	90.4	(26.7)	1,610.7	1,427.2	1,402.8	1,302.6	-0.05	0.06	-0.02
2.2	2.1	1.9	(35.9)	46.9	(4.4)	546.2	524.6	583.4	452.4	-0.07	0.09	-0.01
25.0	22.6	31.9	(173.0)	(159.2)	(39.4)	5,810.6	5,681.7	5,763.2	5,643.4	-0.03	-0.03	-0.01
21.3	11.4	9.8	(9.3)	(1,468.1)	262.9	25,202.5	25,022.9	24,387.5	22,207.3	0.00	-0.06	0.01
12.9	20.4	38.0	503.3	699.2	(327.7)	20,185.8	19,764.5	19,072.1	18,070.4	0.02	0.04	-0.02
8.2	6.8	1.9	52.2	(89.0)	(23.5)	1,319.5	1,253.8	1,026.7	935.8	0.04	-0.07	-0.02
58.8	71.6	84.2	449.7	187.1	(29.6)	15,803.5	15,980.2	15,379.9	23,991.3	0.03	0.01	0.00
9.6	9.4	10.8	290.4	(882.2)	363.1	4,422.6	4,552.3	4,696.4	3,802.6	0.07	-0.19	0.08
8.3	7.6	23.6	(457.4)	2,485.9	(1,890.2)	41,030.5	40,311.3	40,694.9	35,327.8	-0.01	0.06	-0.05
2.1	1.5	0.3	66.8	19.9	12.6	1,367.4	1,322.5	1,285.6	1,313.9	0.05	0.02	0.01
2.3	1.8	1.7	7.0	(58.2)	(52.7)	2,867.8	2,731.2	2,577.5	2,484.3	0.00	-0.02	-0.02
0.8	0.7	1.2	(33.2)	80.4	422.9	2,239.5	2,270.0	2,224.6	2,331.4	-0.01	0.04	0.19
6.3	6.7	6.6	40.6	46.8	458.7	3,251.6	3,113.5	3,190.0	3,218.8	0.01	0.02	0.14
0.3	0.4	0.3	211.5	46.5	39.2	1,157.2	1,231.0	1,229.8	1,266.6	0.18	0.04	0.03
0.3	0.3	0.7	47.5	(28.5)	5.0	390.6	403.1	477.8	489.8	0.12	-0.07	0.01
2.2	4.9	5.1	(3.9)	7.0	(2.1)	47.2	74.7	92.5	110.3	-0.08	0.09	-0.02
5.8	5.5	5.1	137.9	(31.3)	79.0	3,816.4	3,934.1	3,586.1	3,646.9	0.04	-0.01	0.02
3.9	4.1	4.3	(106.6)	(61.3)	7.1	3,661.2	4,654.1	5,307.7	5,565.5	-0.03	-0.01	0.00
16.2	13.1	10.5	(117.4)	72.6	(41.2)	4,161.2	3,935.8	3,927.2	3,909.3	-0.03	0.02	-0.01
0.5	0.9	1.0	13.9	(84.0)	88.9	2,026.7	1,988.9	1,898.7	2,056.7	0.01	-0.04	0.05
1.4	1.4	1.4	156.9	197.8	7.1	4,273.6	4,156.7	4,115.6	4,200.2	0.04	0.05	0.00
2.7	2.7	3.0	88.6	(62.3)	11.8	4,022.1	3,942.4	3,734.3	3,690.5	0.02	-0.02	0.00
2.7	3.0	2.4	13.8	16.7	(114.1)	2,693.6	2,435.0	2,514.2	2,764.9	0.01	0.01	-0.05
2.3	2.3	2.3	54.1	32.6	18.0	1,927.6	1,884.2	1,874.2	1,813.9	0.03	0.02	0.01
4.4	3.7	2.8	1.1	(84.2)	(0.9)	2,513.2	2,418.2	2,280.3	2,319.3	0.00	-0.03	0.00

2 term1			3 term2								
1 / A (t-1)			$\Delta(\text{REV})_t$			$\Delta(\text{REC})(t)$			$(\Delta(\text{REV})_t - \Delta(\text{REC})_t) / A (t-1)$		
2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
0.00	0.00	0.00	54.2	1.2	70.2	(9.5)	27.7	(141.3)	0.02	(0.01)	0.07
0.00	0.00	0.00	(189.9)	(175.3)	281.8	(18.6)	(31.9)	94.9	(0.09)	(0.08)	0.11
0.00	0.00	0.00	(14.9)	(163.9)	(128.3)	52.7	(4.0)	49.3	(0.06)	(0.14)	(0.16)
0.00	0.00	0.00	(163.8)	(111.7)	207.0	45.8	12.8	58.8	(0.07)	(0.04)	0.05
0.00	0.00	0.00	(222.1)	(477.5)	(483.8)	(134.8)	(133.6)	(59.4)	(0.04)	(0.18)	(0.30)
0.00	0.00	0.00	17.1	16.6	19.9	(4.0)	13.6	(6.6)	0.03	0.00	0.04
0.00	0.00	0.00	(571.7)	155.3	(167.2)	(151.1)	236.4	(150.7)	(0.12)	(0.03)	(0.01)
0.00	0.00	0.00	27.1	(362.7)	435.4	198.8	(63.5)	174.5	(0.11)	(0.18)	0.16
0.00	0.00	0.00	(129.3)	(46.4)	4.7	(34.9)	(9.0)	8.8	(0.20)	(0.10)	(0.01)
0.00	0.00	0.00	(84.3)	(83.3)	(123.7)	(16.0)	(60.2)	(64.0)	(0.07)	(0.03)	(0.08)
0.01	0.05	0.01	18.6	99.1	(37.7)	(61.5)	15.8	2.4	0.69	4.37	(0.52)
0.01	0.01	0.01	(14.8)	(6.2)	(0.8)	5.1	(1.1)	3.2	(0.15)	(0.04)	(0.03)
0.00	0.00	0.00	15.1	3.0	2.8	7.6	3.8	-	0.02	(0.00)	0.01
0.00	0.00	0.00	9,064.9	6,787.2	(6,936.2)	177.3	(146.6)	(81.7)	0.15	0.11	(0.11)
0.00	0.00	0.00	(691.0)	191.8	377.7	523.3	(75.1)	631.5	(0.06)	0.01	(0.01)
0.00	0.00	0.00	(51.8)	1,767.0	504.6	64.0	45.1	(38.0)	(0.08)	0.96	0.16
0.00	0.00	0.00	(185.1)	113.3	(154.3)	(38.4)	62.1	(66.2)	(0.06)	0.02	(0.04)
0.00	0.00	0.00	136.6	62.6	(142.5)	35.3	(52.7)	3.0	0.07	0.07	(0.10)
0.00	0.00	0.00	37.7	9.7	(70.6)	13.5	(3.0)	1.5	0.04	0.02	(0.10)
0.00	0.00	0.00	2,622.1	2,084.8	3,565.5	612.1	322.4	894.9	0.02	0.02	0.03
0.00	0.00	0.00	(113.3)	(41.8)	189.5	(1.0)	(17.0)	21.7	(0.19)	(0.04)	0.30
0.00	0.00	0.00	(398.3)	(370.2)	79.8	(20.2)	(8.0)	36.5	(0.30)	(0.29)	0.04
0.00	0.00	0.00	91.7	(50.2)	25.3	62.7	(0.2)	38.6	0.02	(0.04)	(0.01)
0.00	0.00	0.00	47.2	18.4	(174.4)	(7.4)	(6.3)	(57.9)	0.02	0.01	(0.05)
0.00	0.00	0.00	1,297.3	1,566.6	(1,495.7)	547.6	(69.2)	(134.8)	0.03	0.08	(0.06)
0.00	0.00	0.00	6,767.1	19,362.4	(29,391.0)	2,717.1	(782.3)	(5,228.8)	0.01	0.06	(0.08)
0.00	0.00	0.00	(96.5)	1,100.4	(572.3)	(131.4)	231.8	33.2	0.00	0.10	(0.06)
0.00	0.00	0.00	2,176.9	(7,731.1)	(46.4)	644.5	(75.8)	(1,068.7)	0.05	(0.23)	0.03
0.00	0.00	0.00	(39.3)	17.4	9.0	(6.9)	10.7	1.6	(0.07)	0.01	0.02
0.00	0.00	0.00	16.1	(18.2)	(22.3)	15.3	9.8	(7.7)	0.00	(0.03)	(0.02)
0.00	0.00	0.00	(11.5)	10.0	0.6	(5.0)	9.6	16.0	(0.03)	0.00	(0.05)
0.00	0.00	0.00	194.7	138.7	42.8	87.6	(18.9)	(81.5)	0.10	0.12	0.11
0.00	0.00	0.00	145.8	25.7	(98.4)	25.3	(5.4)	(14.4)	0.07	0.02	(0.06)
0.00	0.00	0.00	20.4	97.7	(127.9)	11.1	17.0	(18.6)	0.02	0.15	(0.19)
0.00	0.00	0.00	(525.4)	(90.2)	(35.4)	468.7	134.2	(109.6)	(0.17)	(0.04)	0.01
0.00	0.00	0.00	1,297.3	1,566.6	(1,495.7)	550.6	(65.9)	(134.0)	0.03	0.07	(0.06)
0.00	0.00	0.00	990.3	407.6	(1,563.6)	726.4	(517.3)	(351.9)	0.01	0.05	(0.06)
0.00	0.00	0.00	38.6	25.6	(14.3)	(16.3)	(45.0)	(25.2)	0.04	0.06	0.01
0.00	0.00	0.00	944.5	576.3	403.9	258.3	(219.4)	182.4	0.04	0.05	0.01
0.00	0.00	0.00	245.2	363.7	(153.7)	(30.4)	(25.7)	30.5	0.06	0.09	(0.04)
0.00	0.00	0.00	1,375.1	2,279.2	(2,726.8)	(0.3)	265.5	(288.7)	0.03	0.05	(0.06)
0.00	0.00	0.00	(107.6)	31.4	78.4	(5.2)	(2.1)	6.1	(0.07)	0.03	0.06
0.00	0.00	0.00	(285.0)	(67.8)	138.0	(5.2)	(19.0)	3.4	(0.10)	(0.02)	0.05
0.00	0.00	0.00	(66.5)	(190.5)	186.5	1.8	(14.6)	(1.7)	(0.03)	(0.08)	0.08
0.00	0.00	0.00	(288.2)	(70.1)	280.8	(28.9)	(23.8)	(5.8)	(0.08)	(0.01)	0.09
0.00	0.00	0.00	153.2	(28.8)	91.5	4.9	1.1	-	0.13	(0.02)	0.07
0.00	0.00	0.00	103.1	66.2	31.3	42.3	11.3	(18.8)	0.16	0.14	0.10
0.02	0.01	0.01	(10.5)	7.5	39.0	(1.0)	5.6	3.1	(0.20)	0.03	0.39
0.00	0.00	0.00	(351.2)	(305.0)	181.2	88.0	(49.2)	14.5	(0.12)	(0.07)	0.05
0.00	0.00	0.00	(377.0)	(226.8)	280.7	(33.4)	(20.5)	39.9	(0.09)	(0.04)	0.05
0.00	0.00	0.00	(593.6)	(65.0)	322.1	(22.1)	73.2	58.2	(0.14)	(0.04)	0.07
0.00	0.00	0.00	(226.1)	(200.2)	366.1	(19.0)	(48.6)	(7.4)	(0.10)	(0.08)	0.20
0.00	0.00	0.00	(712.2)	(176.1)	412.6	(8.0)	(0.2)	4.1	(0.16)	(0.04)	0.10
0.00	0.00	0.00	(369.7)	(149.5)	208.6	(12.0)	12.5	4.9	(0.09)	(0.04)	0.05
0.00	0.00	0.00	(216.0)	(74.9)	163.1	(70.4)	15.7	5.0	(0.05)	(0.04)	0.06
0.00	0.00	0.00	(79.9)	(17.2)	89.2	(12.7)	(0.6)	0.9	(0.03)	(0.01)	0.05
0.00	0.00	0.00	(54.0)	(128.2)	32.1	68.6	(41.8)	5.6	(0.05)	(0.04)	0.01

4 term3

(PPE)(t) / A (t-1)		
2018 A	2019 A	2016 A
0.45	0.47	0.63
0.46	0.52	0.89
0.49	0.54	0.56
1.19	1.39	1.44
0.89	0.76	1.05
0.53	0.56	0.53
0.44	0.45	0.50
0.54	0.44	0.45
1.13	1.45	1.61
0.51	0.62	0.72
0.04	0.27	0.08
0.59	0.57	0.56
0.00	0.00	0.00
1.08	1.06	1.27
1.08	1.09	1.04
1.01	1.87	1.02
0.81	0.87	0.93
1.14	1.18	1.31
0.95	1.16	1.32
0.98	0.99	1.00
0.48	0.51	0.52
0.62	0.63	0.72
0.86	0.89	0.94
1.40	1.45	1.58
0.92	0.95	0.98
1.09	1.09	1.16
1.24	1.29	1.20
0.57	0.47	0.20
1.42	1.60	1.59
0.72	0.64	0.58
1.08	0.04	1.04
0.74	0.62	0.75
1.33	1.51	1.68
0.91	0.94	0.86
0.53	0.54	0.55
0.81	0.82	0.84
1.03	1.09	1.16
1.12	1.14	1.41
1.03	1.06	1.43
0.80	0.84	0.81
1.13	1.16	1.16
0.89	0.93	0.96
1.08	1.14	1.21
1.06	1.00	1.03
0.75	0.80	0.80
0.94	0.89	0.90
0.73	0.81	0.73
1.02	0.82	0.66
1.37	1.35	1.51
1.85	1.66	1.55
1.81	1.93	1.98
1.15	1.18	1.25
1.54	1.60	1.62
1.61	1.49	1.59
1.20	1.32	1.28
1.25	1.27	1.28
0.54	0.97	1.06

FD	FD	FD
2017 A	2018 A	2019 A
(0.1)	0.3	(0.4)
(0.2)	0.6	0.8
(0.1)	0.1	0.0
0.1	0.2	0.1
1.8	(0.7)	4.6
0.0	0.0	(0.0)
(0.2)	1.0	2.9
(0.1)	0.1	0.3
(0.2)	(0.1)	0.1
(0.4)	0.1	(0.1)
0.6	(0.6)	0.0
(0.1)	0.2	0.1
0.0	(0.0)	(0.0)
(0.8)	(0.0)	1.3
0.1	0.0	(0.0)
0.3	2.6	(1.2)
0.4	0.1	0.2
(0.1)	(0.1)	0.2
0.0	(0.0)	0.0
(0.1)	(0.1)	(0.3)
(0.0)	0.0	0.1
0.0	(0.0)	0.8
(0.1)	0.4	0.1
0.0	(0.2)	(0.0)
(0.4)	(0.5)	(0.4)
(0.0)	(0.1)	(0.2)
(0.0)	(0.0)	0.0
0.1	0.4	0.1
0.3	0.2	(0.1)
(0.6)	(1.0)	0.0
0.1	0.2	(0.1)
(0.0)	0.7	0.3
(0.4)	(0.3)	(0.3)
(0.1)	(0.1)	0.0
0.5	5.8	2.6
(0.2)	(0.2)	(0.8)
0.0	(0.0)	(0.3)
(0.2)	(0.3)	(0.2)
(0.0)	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
(0.1)	0.0	(0.1)
(0.1)	(0.0)	(0.2)
(0.6)	0.3	(0.3)
(0.1)	0.0	(0.1)
0.2	(0.0)	(0.0)
(0.1)	0.0	0.0
(0.1)	(0.0)	(0.2)
(0.0)	(0.0)	(0.0)
0.1	0.0	0.0
(0.1)	0.0	(0.1)
0.3	0.2	(0.0)
(0.0)	(0.0)	(0.0)
0.1	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
(0.0)	0.1	(0.1)
0.1	0.0	(0.2)
(0.5)	0.6	(0.0)
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	(0.1)	0.2
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)
0.2	(0.0)	(0.0)
(0.0)	(0.0)	(0.1)
0.1	0.1	(0.2)
0.1	0.0	(0.1)
0.0	0.0	(0.1)
(0.1)	0.1	(0.1)
0.0	0.0	(0.1)
0.1	0.1	(0.1)
0.0	0.0	0.0
0.3	(0.2)	(0.7)
(0.0)	(0.1)	(0.1)
(0.0)	(0.2)	0.2
1.8	0.1	(0.1)
(0.1)	0.1	(0.3)
(0.0)	(0.0)	(0.0)

5.12.3 Kuwait GCC Listed Companies DACC Results

59. Kuwait Companies Figures

ΔCash		
2017	2018	2019
6.7	24.5	(44.5)
0.6	(0.6)	0.4
0.2	7.1	1.3
(4.0)	0.6	13.6
2.8	(1.1)	(0.5)
5.2	(3.8)	0.6
0.1	6.5	8.8
13.6	(5.4)	0.7
(0.1)	0.8	0.5
(2.4)	(3.2)	(0.0)
0.4	(2.4)	20.9
6.3	(2.3)	(7.4)
(2.4)	(1.6)	-
2.4	2.5	(8.7)
(2.0)	2.3	2.9
(0.6)	(2.1)	8.0
2.4	0.9	(3.0)
2.8	1.5	(3.2)
3.1	(2.4)	(0.7)
31.4	0.2	5.0
(1.6)	(2.0)	0.1
3.2	(1.6)	2.8

Δ(CL)_t		
2017	2018	2019
2.4	38.3	(34.1)
1.1	0.4	0.4
0.2	(0.2)	(1.3)
(0.4)	(9.0)	(0.4)
(1.5)	(0.9)	0.4
(0.2)	0.2	0.6
0.8	0.1	(0.1)
75.0	(28.2)	(2.1)
5.9	12.1	(6.2)
(0.4)	(3.4)	0.8
(9.7)	(12.7)	(5.3)
10.4	(4.9)	(5.2)
5.7	(3.4)	(0.3)
(0.7)	5.7	(4.8)
13.5	(9.9)	29.1
9.6	(34.3)	26.5
0.8	4.6	(8.6)
29.3	(3.9)	(4.7)
(0.2)	1.0	(0.2)
103.5	(46.8)	(16.0)
0.1	(0.1)	(5.4)
1.0	(0.9)	1.1

Δ(DCL)_t		
2017	2018	2019
(1.8)	(1.5)	(1.7)
-	-	-
-	-	-
-	2.6	(2.6)
-	-	-
3.7	1.0	0.2
(2.3)	(1.9)	(2.3)
(1.4)	(0.9)	0.1
0.0	(1.6)	0.6
(3.7)	-	-
-	-	-
2.5	(2.8)	(1.1)
-	-	-
5.5	(3.2)	21.8
-	-	-
(6.7)	(1.4)	3.2
0.7	(6.9)	1.3
-	-	-
80.8	(80.4)	(30.4)
(3.5)	(0.1)	0.4
-	-	-

DEP		
2017	2018	2019
2.4	2.3	1.9
2.2	2.0	2.0
1.9	2.0	2.0
1.2	0.9	0.8
0.9	0.8	0.6
0.0	0.0	0.0
2.5	3.6	3.9
9.0	10.9	9.8
6.3	8.4	9.0
1.2	1.1	1.2
1.4	1.1	1.0
4.0	5.7	5.7
2.5	2.4	2.4
0.8	0.8	0.7
5.6	6.2	6.4
6.1	3.5	3.2
10.6	10.8	8.1
2.0	3.1	3.2
0.1	0.1	0.1
29.8	31.4	60.5
8.9	8.3	9.8
3.1	3.0	3.1

Step 1 Results

TACC		
2017	2018	2019
(0.4)	(30.9)	42.3
(2.2)	(2.0)	(2.0)
0.4	(3.2)	2.4
(0.4)	4.9	(1.4)
(5.3)	(0.8)	(1.7)
(0.6)	0.6	(1.8)
2.7	(1.7)	(2.1)
(39.7)	(15.7)	(6.1)
(3.8)	(13.2)	7.0
(4.8)	(1.1)	0.3
10.1	6.2	(5.1)
(7.0)	(0.8)	0.3
(6.9)	(10.6)	(2.1)
0.6	(6.3)	4.2
(14.0)	(10.7)	19.3
(16.0)	(16.4)	5.5
(16.7)	(17.1)	4.1
(7.6)	(9.3)	9.0
1.5	(2.3)	0.2
3.0	(10.9)	(73.5)
(9.3)	(17.8)	(12.3)
(4.7)	(1.2)	(5.4)

A_(t-1)			
2016 A	2017 A	2018 A	2019 A
285.3	294.9	330.4	298.7
65.9	63.9	61.4	60.3
32.4	38.4	44.5	48.2
51.2	48.5	33.7	32.1
27.9	22.9	20.1	15.7
46.2	46.5	44.3	23.4
85.7	98.5	109.9	118.3
259.2	329.3	288.7	294.8
147.7	161.6	180.8	189.2
30.7	27.6	20.6	20.7
177.2	177.9	177.2	194.4
82.9	95.4	91.6	92.5
129.8	137.4	132.8	160.4
43.5	53.2	71.2	119.6
196.1	198.0	188.9	239.6
400.5	407.7	310.4	426.3
93.2	92.3	95.9	93.2
39.6	68.9	66.5	64.9
23.3	23.9	25.0	25.0
1,544.0	1,728.9	1,843.2	2,082.1
300.4	305.7	301.9	316.0
112.9	113.7	112.0	114.3

TACC / A (t-1)		
2017 A	2018 A	2019 A
0.00	-0.10	0.13
-0.03	-0.03	-0.03
0.01	-0.08	0.05
-0.01	0.10	-0.04
-0.19	-0.03	-0.08
-0.01	0.01	-0.04
0.03	-0.02	-0.02
0.06	-0.02	-0.02
-0.15	-0.05	-0.02
-0.03	-0.08	0.04
-0.15	-0.04	0.01
0.06	0.03	-0.03
-0.08	-0.01	0.00
-0.05	-0.08	-0.02
0.01	-0.12	0.06
-0.07	-0.05	0.10
-0.04	-0.04	0.02
-0.18	-0.18	0.04
-0.19	-0.13	0.14
0.07	-0.10	0.01
0.00	-0.01	-0.04
-0.03	-0.06	-0.04
-0.04	-0.01	-0.05

1 / A (t-1)		
2017 A	2018 A	2019 A
0.00	0.00	0.00
0.02	0.02	0.02
0.03	0.03	0.02
0.02	0.02	0.03
0.04	0.04	0.05
0.02	0.02	0.02
0.01	0.01	0.01
0.00	0.00	0.00
0.01	0.01	0.01
0.01	0.01	0.01
0.03	0.01	0.02
0.04	0.04	0.04
0.00	0.00	0.00
0.00	0.00	0.00
0.01	0.01	0.01

Δ(REV)_t		
2017 A	2018 A	2019 A
29.5	217.9	(97.0)
(5.2)	(1.0)	1.1
3.2	3.7	1.7
(5.1)	(1.5)	(0.6)
(1.3)	(0.3)	(0.2)
(0.2)	0.4	(0.1)
7.3	7.5	4.0
47.4	30.0	(62.1)
39.6	11.2	(5.0)
(6.0)	(3.1)	(0.8)
(27.5)	21.3	(13.6)
5.1	20.2	(20.7)
(1.3)	1.9	(12.3)
0.8	(0.3)	(0.3)
20.8	0.6	10.1
(70.5)	(3.0)	15.1
9.2	2.2	(12.4)
27.9	37.5	(14.2)
0.6	(0.3)	(0.0)
173.0	143.2	28.4
(1.3)	(1.0)	(14.4)
4.1	7.8	(4.7)

Δ(REC)(t)		
2017 A	2018 A	2019 A
(5.5)	8.1	9.3
0.5	(0.7)	0.2
1.6	(3.8)	4.4
(0.0)	(3.0)	0.7
0.3	(2.5)	0.1
(0.7)	-	(0.0)
2.5	1.1	1.4
37.4	(42.1)	18.8
(0.3)	(13.2)	21.3
(1.4)	(0.8)	1.8
(8.2)	(0.0)	(1.0)
5.8	(6.1)	1.0
2.1	(4.1)	(1.6)
0.6	0.3	0.1
4.7	(6.8)	13.0
6.6	(18.0)	14.0
1.5	(1.8)	(1.6)
20.6	(5.4)	6.0
0.0	0.0	0.1
61.2	34.3	(6.6)
1.0	(1.8)	(5.4)
(1.3)	(0.2)	(0.4)

3 term2 (Δ(REV)_t - Δ(REC)_t) / A (t-1)		
2017 A	2018 A	2019 A
0.12	0.71	(0.32)
(0.09)	(0.00)	0.01
0.05	0.19	(0.06)
(0.10)	0.03	(0.04)
(0.06)	0.10	(0.01)
0.01	0.01	(0.00)
0.06	0.06	0.02
0.04	0.22	(0.28)
0.27	0.15	(0.15)
(0.15)	(0.08)	(0.12)
(0.11)	0.12	(0.07)
(0.01)	0.28	(0.24)
(0.03)	0.04	(0.08)
0.01	(0.01)	(0.01)
0.08	0.04	(0.02)
(0.19)	0.04	0.00
0.08	0.04	(0.11)
0.19	0.62	(0.30)
0.03	(0.01)	(0.01)
0.07	0.06	0.02
(0.01)	0.00	(0.03)
0.05	0.07	(0.04)

4 term3 (PPE)(t) / A (t-1)		
2018 A	2019 A	2016 A
0.19	0.18	0.18
1.10	1.12	1.15
0.84	0.77	0.68
0.25	0.16	0.25
0.44	0.45	0.53
0.17	0.17	0.18
0.73	0.71	0.64
0.33	0.27	0.30
0.85	0.88	0.82
0.64	0.72	0.93
0.23	0.23	0.25
0.45	0.45	0.52
0.36	0.40	0.28
0.03	0.02	0.01
0.70	0.68	0.74
0.34	0.18	0.62
1.38	1.49	1.46
0.76	0.46	0.49
0.21	0.20	0.20
0.35	0.29	0.27
0.93	0.93	0.95
0.98	1.02	1.07

FD	FD	FD
2017 A	2018 A	2019 A
(0.3)	0.4	(0.4)
0.0	0.0	0.0
(0.0)	(0.0)	(0.0)
0.1	(0.2)	(0.1)
(0.3)	(0.2)	0.2
(0.0)	0.0	0.0
(0.0)	(0.1)	(0.2)
1.3	(1.1)	0.1
(0.0)	0.0	(0.2)
0.6	0.2	(0.1)
(0.1)	(0.1)	(0.1)
0.2	(0.1)	(0.1)
(0.0)	(0.1)	0.2
(0.1)	(0.0)	0.2
(0.7)	(0.0)	0.9
0.2	(0.7)	1.0
(0.3)	(0.2)	(0.0)
1.2	(0.3)	(0.4)
(0.0)	0.0	(0.0)
0.1	0.0	0.1
(0.0)	0.0	(0.1)
0.0	(0.0)	0.0

FP	FP	FP
2017 A	2018 A	2019 A
0.002	(0.0)	0.0
(0.8)	(0.3)	0.5
0.0	0.0	(0.0)
1.4	0.4	(1.1)
0.5	(0.2)	(1.5)
4.6	(2.4)	(0.1)
0.0	0.0	0.0
0.0	0.0	0.0
(0.0)	0.0	0.0
(0.3)	0.1	0.4
0.1	(0.0)	(0.0)
0.0	(0.0)	(0.0)
0.0	(0.0)	(0.1)
0.1	0.0	(0.0)
0.2	(0.1)	(0.1)
0.0	0.1	(0.1)
(0.0)	0.0	0.0
0.1	(0.1)	(0.1)
0.2	(0.1)	(0.1)
0.0	0.1	(0.1)
(0.0)	0.0	0.0
0.0	0.0	(0.2)
0.0	0.0	(0.0)
(0.0)	(0.1)	(0.0)
0.1	0.0	0.0

FL	FL	FL
2017 A	2017 A	2018 A
0	0	0
1	1	1
0	0	0
1	0	1
0	1	1
0	0	0
0	0	0
0	0	0
1	1	1
0	0	0
0	0	0
0	0	0
0	0	0
0	0	1
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

Coefficient
α1 -0.62
α2 -0.167
α3 -0.036

Result Step 2	$\alpha_1 A / A(t-1)$			$\alpha_2 (\Delta(\text{REV})_t - \Delta(\text{REC})_t) / A(t-1)$			$\alpha_3 (\text{PPE}(t)) / A(t-1)$			$DACC - \epsilon t$			Result Step 3		
	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
	(0.00)	(0.00)	(0.00)	(0.02)	(0.12)	0.05	(0.01)	(0.01)	(0.01)	0.03	0.02	0.08	(0.03)	(0.13)	0.05
	(0.01)	(0.01)	(0.01)	0.01	0.00	(0.00)	(0.01)	(0.03)	0.01	(0.01)	(0.01)	(0.01)	(0.03)	(0.05)	(0.05)
	(0.02)	(0.02)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.03)	0.00	(0.02)	(0.02)	(0.02)	(0.06)	(0.08)	(0.03)
	(0.01)	(0.01)	(0.02)	(0.02)	(0.03)	(0.03)	0.01	(0.01)	(0.02)	(0.02)	(0.02)	(0.02)	(0.00)	(0.02)	(0.02)
	(0.02)	(0.03)	(0.03)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.03)	(0.06)	(0.05)
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)
	(0.00)	(0.00)	(0.00)	(0.01)	(0.04)	0.05	(0.05)	(0.03)	0.02	(0.02)	(0.03)	(0.03)	(0.13)	(0.05)	0.03
	(0.00)	(0.00)	(0.00)	(0.02)	(0.02)	(0.03)	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.08)	(0.06)	(0.01)
	(0.02)	(0.02)	(0.03)	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.03)	(0.04)
	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.03)	(0.00)
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.07)	0.01
	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.03)	(0.00)
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.01)	(0.01)
	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.04)	(0.03)	(0.03)
	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.07)	(0.04)
	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)
	(0.03)	(0.03)	(0.02)	(0.02)	(0.02)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.04)	(0.03)
	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.03)	(0.01)
	(0.00)	(0.00)	(0.00)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.05)	(0.04)
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.05)	(0.04)

Oman GCC Listed Companies DACC Results

Oman Companies Figures

$\Delta(CA)_t$			$\Delta Cash$			$\Delta(CL)_t$			$\Delta(DCL)_t$		
2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019
0.6	9.4	7.6	(3.3)	(3.4)	(0.8)	(1.1)	6.7	44.3	-	1.1	18.8
1.3	(5.8)	(0.1)	(0.0)	0.1	(0.4)	2.2	(1.3)	0.6	(0.3)	0.7	(1.1)
0.2	(0.1)	0.0	(0.4)	-	(0.0)	1.0	(0.2)	(0.5)	(0.1)	(0.0)	-
5.1	0.4	(5.2)	0.1	10.2	(2.2)	3.6	(5.3)	(8.1)	-	-	-
12.0	3.9	(3.5)	(1.5)	0.4	1.0	7.2	3.2	(3.1)	1.1	(12.2)	-
2.6	2.4	2.0	(2.6)	(0.6)	0.7	(0.3)	(0.4)	0.6	-	-	-
(50.4)	23.9	(47.7)	(7.7)	(1.6)	0.2	(35.7)	(19.9)	(35.4)	(7.7)	(5.4)	(3.3)
(0.5)	1.4	1.5	0.1	(0.6)	0.2	(3.2)	4.1	7.1	(3.0)	2.0	3.4

Step 1 Results			1									
DEP			TACC			$A_{(t-1)}$			TACC / A(t-1)			
2017	2018	2019	2017	2018	2019	2016 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
7.0	7.4	6.5	(2.0)	(0.3)	(23.6)	208.5	195.2	199.8	254.8	-0.01	0.00	-0.12
2.3	2.3	1.9	(3.5)	(6.1)	(3.3)	69.9	68.1	55.9	55.7	-0.05	-0.09	-0.06
0.7	0.7	0.8	(1.2)	(0.6)	(0.2)	12.4	13.3	12.9	12.8	-0.10	-0.04	-0.01
3.7	3.6	3.6	(2.2)	(8.2)	1.5	140.2	142.1	139.4	134.0	-0.02	-0.06	0.01
2.0	2.1	1.9	5.4	(13.9)	(3.3)	58.1	68.9	71.9	67.5	0.09	-0.20	-0.05
2.1	2.1	2.0	3.4	1.2	(1.3)	43.0	42.4	41.1	42.7	0.08	0.03	-0.03
20.3	14.5	17.7	(35.0)	25.4	(33.6)	484.8	426.3	419.5	304.4	-0.07	0.06	-0.08
1.1	1.8	3.0	(1.6)	(1.9)	(5.5)	75.0	80.6	89.5	92.1	-0.02	-0.02	-0.06

2 term1			3 term2		
1 / A(t-1)			$(\Delta(\text{REV})_t - \Delta(\text{REC})_t) / A(t-1)$		
2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
0.00	0.01	0.01	(20.7)	19.1	(6.9)
0.01	0.01	0.02	(0.9)	(2.9)	0.8
0.08	0.08	0.08	(0.2)	(0.2)	(1.0)
0.01	0.01	0.01	13.6	4.8	(36.9)
0.02	0.01	0.01	28.3	19.5	(12.2)
0.02	0.02	0.02	(0.6)	(1.7)	0.7
0.00	0.00	0.00	(47.8)	(3.9)	(40.3)
0.01	0.01	0.01	0.7	4.6	2.5
$\Delta(\text{REC})(t)$			$(\Delta(\text{REC})_t - \Delta(\text{REC})_t) / A(t-1)$		
2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
			(2.5)	12.2	7.7
			0.0	0.3	(0.2)
			0.1	0.3	0.2
			0.8	(3.0)	(8.6)
			9.7	(2.4)	0.7
			1.4	(0.3)	0.0
			(28.0)	13.3	(58.4)
			(0.5)	1.3	0.1

4 term3

(PPE)(t) / A (t-1)		
2018 A	2019 A	2016 A
0.91	0.98	1.09
0.71	0.72	0.90
1.13	1.06	1.11
0.51	0.50	0.53
0.69	0.60	0.58
0.88	0.90	0.95
0.54	0.57	0.56
1.07	1.08	0.99

FD	FD	FD
2017 A	2018 A	2019 A
(0.0)	0.1	0.4
0.1	0.1	0.1
0.1	(0.0)	(0.0)
0.0	(0.1)	(0.1)
0.1	0.1	(0.0)
(0.0)	(0.0)	0.0
(0.0)	0.1	(1.8)
0.2	0.3	0.3

FP	FP	FP
2017 A	2018 A	2019 A
(0.143)	(0.1)	0.0
(0.0)	0.0	0.0
(0.1)	(0.0)	(0.0)
(0.0)	0.0	(0.0)
(0.0)	(0.0)	(0.0)
0.0	(0.0)	0.1
0.0	0.0	(0.1)
(0.2)	0.0	(0.2)

FL	FL	FL
2017 A	2017 A	2018 A
0	0	0
1	1	0
0	0	0
0	0	0
0	0	0
1	0	1
0	0	1

Coefficient
 α_1 -0.098
 α_2 -0.085
 α_3 -0.037

Result Step 2	$\alpha_1 1 / A (t-1)$		
	2017 A	2018 A	2019 A
(0.00)	(0.00)	(0.00)	
(0.00)	(0.00)	(0.00)	
(0.01)	(0.01)	(0.01)	
(0.00)	(0.00)	(0.00)	
(0.00)	(0.00)	(0.00)	
(0.00)	(0.00)	(0.00)	
(0.00)	(0.00)	(0.00)	
(0.00)	(0.00)	(0.00)	

$\alpha_2 (\Delta(\text{REV})_{-t} - \Delta(\text{REC})_{-t}) / A (t-1)$		
2017 A	2018 A	2019 A
0.01	(0.00)	0.01
0.00	0.00	(0.00)
0.00	0.00	0.01
(0.01)	(0.00)	0.02
(0.03)	(0.03)	0.02
0.00	0.00	(0.00)
0.00	0.00	(0.00)
(0.00)	(0.00)	(0.00)

$\alpha_3 (PPE)(t) / A (t-1)$		
2017 A	2018 A	2019 A
(0.03)	(0.04)	(0.04)
(0.03)	(0.03)	(0.03)
(0.04)	(0.04)	(0.04)
(0.02)	(0.02)	(0.02)
(0.03)	(0.02)	(0.02)
(0.03)	(0.03)	(0.04)
(0.02)	(0.02)	(0.02)
(0.04)	(0.04)	(0.04)

DACC - ϵ_t		
2017 A	2018 A	2019 A
0.02	0.04	(0.08)
(0.02)	(0.07)	(0.02)
(0.05)	(0.00)	0.03
0.01	(0.03)	0.01
0.15	(0.15)	(0.04)
0.11	0.06	0.01
(0.06)	0.08	(0.06)
0.02	0.02	(0.02)

NDACC		
2017 A	2018 A	2019 A
(0.03)	(0.04)	(0.03)
(0.03)	(0.02)	(0.04)
(0.05)	(0.04)	(0.04)
(0.03)	(0.02)	(0.00)
(0.05)	(0.05)	(0.01)
(0.03)	(0.03)	(0.04)
(0.02)	(0.02)	(0.02)
(0.04)	(0.04)	(0.04)

Qatar GCC Listed Companies DACC Results

Qatar Companies Figures

$\Delta(CA)_t$		
2017	2018	2019
(1,234.1)	129.7	(96.2)
592.1	161.3	(674.2)
(370.6)	(52.6)	29.0
93.4	3,199.0	(147.7)
203.2	(170.7)	(135.9)
13.8	251.9	41.5
(552.3)	569.4	590.1
(124.5)	78.6	21.8
(2,431.4)	(1,876.8)	(501.7)
1,194.6	538.6	(3,182.7)
2,040.6	549.8	(413.3)
(140.5)	147.5	(202.1)
(50.2)	(18.7)	(20.1)
95.6	(132.6)	92.4
91.0	42.7	(171.7)
(8.2)	(3.1)	(2.9)

ΔCash		
2017	2018	2019
(205.2)	256.2	(86.6)
425.0	681.9	(679.4)
14.4	(56.9)	(16.0)
(350.5)	1,260.0	(48.0)
216.9	(301.3)	(398.0)
(96.4)	104.8	(56.1)
(646.6)	(45.2)	34.5
57.0	40.0	(109.2)
(728.9)	(246.5)	50.4
1,195.4	631.7	(1,981.5)
209.3	36.6	(24.3)
(139.9)	151.8	(215.9)
5.3	(8.5)	(18.3)
(38.7)	(143.9)	(38.9)
32.3	(2.1)	(103.6)
(0.4)	(0.1)	0.5

$\Delta(CL)_t$		
2017	2018	2019
(944.9)	(136.1)	88.4
107.3	904.6	32.4
(261.2)	72.1	7.0
201.1	(58.1)	(102.2)
78.4	20.1	(62.6)
139.2	(130.5)	(35.7)
(126.4)	212.0	538.0
(114.2)	37.6	59.6
(2,844.1)	(1,144.2)	114.8
1,018.0	207.5	(1,493.0)
3,076.1	3.9	(24.8)
41.5	47.8	(22.1)
2.8	1.2	14.0
31.2	(157.4)	78.7
52.9	13.0	(125.3)
10.7	(20.7)	1.0

$\Delta(DCL)_t$		
2017	2018	2019
(392.7)	(142.6)	45.4
186.9	1,019.5	(6.3)
-	-	-
-	-	-
-	-	-
-	-	-
(42.2)	36.9	(82.0)
(3.4)	40.8	26.7
(2,454.2)	(1,096.8)	(4.1)
-	-	-
735.7	(203.4)	(36.6)
0.4	0.4	25.4
(4.6)	0.5	(0.1)
-	-	-
-	0.5	(0.2)
11.0	(17.7)	(0.6)

DEP		
2017	2018	2019
9.9	10.0	12.9
444.8	279.5	278.9
6.0	5.7	5.2
225.4	237.4	237.4
140.0	155.1	174.9
91.1	91.3	104.2
487.3	489.1	434.4
25.4	25.1	23.5
284.0	273.9	265.6
197.8	190.4	209.1
75.9	96.9	92.0
57.7	66.1	111.2
28.2	31.4	27.4
59.8	70.8	60.0
4.7	4.0	4.1
2.6	5.7	5.5

TACC		
2017	2018	2019
(486.7)	(142.9)	(65.5)
(198.1)	(685.2)	(312.4)
(129.8)	(73.6)	32.9
17.4	1,759.7	(234.9)
(232.1)	(44.7)	149.8
(120.2)	186.2	29.0
(308.8)	(49.5)	(498.7)
(96.1)	16.7	74.6
(1,596.5)	(1,856.8)	(936.6)
(1,216.7)	(491.1)	82.7
(585.0)	209.0	(492.8)
(99.5)	(117.9)	(49.8)
(91.0)	(42.2)	(43.3)
43.3	97.9	(7.5)
1.1	28.3	52.9
(10.2)	(5.9)	(10.5)

$A_{(t-1)}$			
2016 A	2017 A	2018 A	2019 A

2 term1

1 / A (t-1)		
2017 A	2018 A	2019 A
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.01	0.01	0.01

Δ(REV)_t		
2017 A	2018 A	2019 A
(1,224.9)	(317.7)	7.6
(32.4)	(600.3)	(204.5)
21.5	(42.9)	17.2
(45.8)	1,162.5	(695.2)
(110.8)	(185.6)	(145.1)
(86.0)	(37.2)	(73.2)
(585.9)	116.3	491.6
(695.7)	(38.8)	(6.2)
(60.3)	(71.2)	(18.5)
3,647.6	5,783.0	(708.6)
2,155.7	3,732.2	818.2
260.7	130.8	(10.8)
1.6	13.6	6.5
(13.3)	46.0	113.8
51.5	20.2	31.7
(0.9)	(0.4)	(3.3)

Δ(REC)(t)		
2017 A	2018 A	2019 A
(560.5)	(83.6)	17.1
258.9	(460.0)	15.9
(0.8)	(18.7)	24.7
73.3	(878.3)	18.0
52.5	49.3	25.7
8.7	32.4	27.7
43.5	38.2	220.9
(198.6)	(26.1)	7.4
44.2	(62.6)	(37.5)
(48.8)	222.0	(1,032.6)
613.6	(5.2)	369.1
(1.7)	(5.4)	0.9
(32.6)	(20.0)	3.2
10.4	5.4	3.2
3.9	(2.1)	0.9
(2.3)	(3.4)	(2.3)

3 term2

(Δ(REV)_t - Δ(REC)_t) / A (t-1)		
2017 A	2018 A	2019 A
(0.07)	(0.03)	(0.00)
(0.02)	(0.01)	(0.01)
0.02	(0.02)	(0.01)
(0.00)	0.06	(0.02)
(0.04)	(0.06)	(0.05)
(0.02)	(0.02)	(0.02)
(0.06)	0.01	0.03
(0.24)	(0.01)	(0.01)
(0.00)	(0.00)	0.00
0.33	0.45	0.02
0.20	0.32	0.03
0.12	0.06	(0.00)
0.03	0.03	0.00
(0.01)	0.02	0.05
0.01	0.02	(0.01)

4 term3

(PPE)(t) / A (t-1)		
2018 A	2019 A	2016 A
0.06	0.07	0.07
0.76	0.71	0.62
0.06	0.05	0.06
0.19	0.20	0.19
1.13	1.11	1.15
0.62	0.62	0.62
0.95	1.02	1.02
0.49	0.57	0.62
0.30	0.36	0.39
0.27	0.34	0.35
0.17	0.14	0.13
0.62	0.66	0.64
0.98	1.05	1.10
0.51	0.51	0.54
0.13	0.11	0.12
0.83	0.91	0.96

FD	FD	FD
2017 A	2018 A	2019 A
(0.2)	0.0	0.0
(0.1)	(0.0)	0.0
(1.9)	0.3	(0.1)
(0.0)	(0.0)	0.0
0.0	(0.1)	(0.0)
(0.1)	(0.0)	(0.0)
(0.1)	0.1	0.1
0.0	0.1	0.2
(0.2)	(0.2)	(0.0)
0.1	(0.0)	(0.2)
0.0	0.1	0.2
(0.2)	(0.2)	(0.0)
0.1	(0.0)	(0.2)
1.3	0.7	0.1
0.0	0.1	0.1
(0.0)	0.0	0.1
(0.0)	(0.1)	0.0
0.1	0.0	(0.3)
0.7	0.8	1.1

FP	FP	FP
2017 A	2018 A	2019 A
0.128	0.0	(0.1)
0.0	0.1	0.0
(0.0)	(0.0)	(0.0)
0.1	0.2	(0.4)
(0.1)	0.1	(0.2)
0.0	(0.0)	(0.1)
0.0	(0.1)	0.1
0.3	0.0	(0.2)
(0.1)	0.0	0.0
(0.0)	(0.0)	0.0
0.0	0.0	(0.0)
(0.0)	(0.0)	(0.0)
0.0	0.0	(0.0)
(0.0)	(0.0)	(0.0)
0.0	0.0	0.0
(1.0)	0.7	(0.2)

FL	FL	FL
2017 A	2017 A	2018 A
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	1	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
1	1	1

Coefficient
α1 -2.96
α2 -0.076
α3 -0.028

Bahrain GCC Listed Companies DACC Results

Bahrain Companies Figures

$\Delta(CA)_t$		
2017	2018	2019
(0.7)	1.3	(0.3)
(1.1)	1.3	(0.1)
118.1	61.1	(43.1)
30.7	14.5	34.1
1.9	(8.7)	2.6

$\Delta Cash$		
2017	2018	2019
(0.1)	(0.7)	(1.0)
(0.2)	(0.5)	0.2
11.0	26.4	(22.5)
(13.7)	(15.9)	32.7
2.0	(9.5)	1.9

$\Delta(CL)_t$		
2017	2018	2019
(0.5)	2.0	0.2
0.0	0.2	(0.2)
0.6	122.7	156.0
21.9	(7.7)	192.9
0.3	(1.5)	(1.7)

$\Delta(DCL)_t$		
2017	2018	2019
-	-	-
-	-	-
(23.2)	52.5	78.4
5.4	0.0	0.8
1.0	1.0	(2.1)

Step 1 Results		
DEP		
2017	2018	2019
0.6	0.6	0.6
0.3	0.4	0.4
71.4	64.8	80.3
66.3	70.1	66.2
1.4	1.5	0.9

TACC		
2017	2018	2019
(0.8)	(0.7)	(0.2)
(1.2)	1.1	(0.5)
11.8	(100.3)	(178.6)
(38.4)	(31.9)	(256.9)
(0.7)	1.9	(0.6)

A_(t-1)			
2016 A	2017 A	2018 A	2019 A
22.7	22.0	24.7	26.0
14.5	13.8	14.3	15.2
1,173.7	1,686.2	2,208.9	2,420.3
950.9	932.5	912.4	992.9
162.6	165.8	168.4	174.3

1	TACC / A_(t-1)	
2017 A	2018 A	2019 A
-0.03	-0.03	-0.01
-0.08	0.08	-0.03
0.01	-0.06	-0.08
-0.04	-0.03	-0.28
0.00	0.01	0.00

2 term1		
1 / A_(t-1)		
2017 A	2018 A	2019 A
0.04	0.05	0.04
0.07	0.07	0.07
0.00	0.00	0.00
0.00	0.00	0.00
0.01	0.01	0.01

$\Delta(Rev)_t$		
2017 A	2018 A	2019 A
0.5	0.1	(0.0)
6.2	1.5	(0.5)
188.0	53.6	118.1
12.3	26.4	(4.4)
2.4	(0.4)	(0.4)

$\Delta(Rec)(t)$		
2017 A	2018 A	2019 A
0.2	0.3	0.2
0.1	0.6	(0.1)
26.1	(9.4)	24.1
10.7	26.1	6.8
0.0	0.9	0.2

$(\Delta(Rev)_t - \Delta(Rec)_t) / A_{(t-1)}$		
2017 A	2018 A	2019 A
0.02	(0.01)	(0.01)
0.42	0.06	(0.03)
0.14	0.04	0.04
0.00	0.00	(0.01)
0.01	(0.01)	(0.00)

4 term3		
(PPE)(t) / A_(t-1)		
2018 A	2019 A	2016 A
0.76	0.80	0.71
0.83	0.90	0.94
2.16	1.81	1.53
0.77	0.77	0.84
0.20	0.20	0.07

FD	FD	FD
2017 A	2018 A	2019 A
(0.0)	0.1	(0.0)
0.0	0.0	0.0
0.4	0.5	0.2
0.1	(0.1)	0.1
(0.0)	(0.0)	0.0

FP	FP	FP
2017 A	2018 A	2019 A
0.591	(0.5)	0.1
0.1	0.0	(0.0)
0.0	(0.0)	(0.1)
(0.1)	0.1	0.0
(0.1)	0.0	0.0

FL	FL	FL
2017 A	2017 A	2018 A
0	0	0
1	0	1
0	0	0
0	0	0
0	0	0

Coefficient
 α_1 0.37
 α_2 -0.049
 α_3 -0.04

Result Step 3		
NDACC		
2017 A	2018 A	2019 A
(0.02)	(0.01)	(0.01)
(0.03)	(0.01)	(0.01)
(0.05)	0.09	(0.02)
0.10	0.01	(0.02)
(0.01)	(0.00)	(0.25)
0.00	0.02	(0.00)

$\Delta(CA)_t$		
2017	2018	2019
(294.0)	(386.0)	14.0
(160.0)	3,115.9	(638.9)
8.3	(33.0)	(34.6)
(97.3)	(148.2)	35.1
16.5	38.3	(23.3)
151.7	(305.1)	(86.4)
(36.4)	(26.2)	56.4
32.6	(6.6)	60.1
55.4	(36.4)	(37.9)
(18.2)	17.8	47.6
0.3	156.9	28.5
94.6	(607.0)	(290.2)

$\Delta Cash$		
2017	2018	2019
306.0	(201.0)	18.0
(1,048.0)	2,687.5	(726.9)
(1.1)	35.9	(27.2)
(75.4)	(23.7)	-
(1.5)	11.1	(6.5)
92.0	(192.4)	58.9
(7.2)	(14.3)	52.4
(36.2)	22.7	27.6
0.1	1.1	0.8
(6.1)	14.1	37.5
5.1	8.5	(40.0)
4.5	(80.7)	(29.0)

$\Delta(CL)_t$		
2017	2018	2019
(28.0)	(731.0)	350.0
1,935.8	2,611.4	(930.3)
188.4	59.9	(214.9)
(184.3)	74.4	6.4
21.6	(4.0)	23.8
(66.4)	10.7	55.0
(5.2)	(3.1)	(24.5)
62.9	758.5	11.8
77.6	(7.3)	56.2
(34.2)	(24.0)	(3.8)
(16.3)	113.9	120.5
41.9	566.1	(167.6)

$\Delta(DCL)_t$		
2017	2018	2019

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Step 1 Results			A_(t-1)				TACC / A (t-1)					
DEP			TACC			A_(t-1)				TACC / A (t-1)		
2017	2018	2019	2017	2018	2019	2016 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
111.0	113.0	103.0	(683.0)	433.0	(457.0)	3,765.0	3,782.0	3,167.0	3,202.0	-0.18	0.11	-0.14
460.7	532.1	533.2	(1,508.5)	(2,715.1)	485.1	11,438.3	12,205.4	15,621.6	15,010.2	-0.13	-0.22	0.03
15.0	17.1	17.5	(194.1)	186.4	(7.4)	2,100.9	2,043.1	1,956.8	1,785.0	-0.09	0.09	0.00
23.3	31.5	26.9	139.2	(230.4)	1.8	1,260.9	1,159.8	938.3	977.0	0.11	-0.20	0.00
30.4	28.7	29.3	(27.7)	5.7	(68.1)	635.2	650.2	665.7	606.8	-0.04	0.01	-0.10
150.8	139.4	135.1	21.1	(260.8)	(305.3)	5,756.3	5,801.0	5,497.0	5,486.8	0.00	-0.04	-0.06
34.7	33.4	32.2	(57.4)	(47.8)	(26.9)	1,215.6	1,102.5	1,030.1	989.9	-0.05	-0.04	-0.03
81.4	75.8	72.7	(170.5)	(160.2)	38.5	3,492.0	3,408.8	3,333.3	3,481.4	-0.05	-0.05	0.01
10.2	8.3	6.7	(28.2)	(24.4)	(74.6)	691.7	720.6	642.6	599.2	-0.04	-0.03	-0.12
31.6	28.9	31.7	(11.0)	(19.4)	(17.0)	409.5	379.0	387.7	478.6	-0.03	-0.05	-0.04
54.7	56.3	63.7	(98.4)	(23.7)	(81.7)	1,791.7	1,835.2	2,032.2	2,155.3	-0.05	-0.01	-0.04
88.3	84.6	82.3	(40.1)	(1,177.0)	(175.9)	3,473.4	3,527.7	2,892.4	2,450.4	-0.01	-0.33	-0.06

2 term1			Δ(REV)_t			Δ(REC)(t)			3 term2		
1 / A (t-1)			2017 A 2018 A 2019 A			2017 A 2018 A 2019 A			(Δ(REV)_t - Δ(REC)_t) / A (t-1)		
2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A
0.00	0.00	0.00	58.0	20.0	(11.0)	(743.0)	(76.0)	(28.0)	0.21	0.03	0.01
0.00	0.00	0.00	2,086.2	3,137.2	(1,556.5)	507.1	18.4	831.2	0.14	0.26	(0.15)
0.00	0.00	0.00	(48.6)	21.5	(35.6)	(5.7)	(11.8)	(19.7)	(0.02)	0.02	(0.01)
0.00	0.00	0.00	(215.7)	(258.6)	(133.8)	61.7	42.7	73.0	(0.22)	(0.26)	(0.22)
0.00	0.00	0.00	(30.3)	30.0	(47.5)	2.0	22.0	(0.6)	(0.05)	0.01	(0.07)
0.00	0.00	0.00	61.8	(126.4)	(154.0)	103.9	(118.1)	17.0	(0.01)	(0.00)	(0.03)
0.00	0.00	0.00	(53.9)	(25.1)	8.4	(23.1)	(18.5)	3.3	(0.03)	(0.01)	0.00
0.00	0.00	0.00	95.8	59.0	(65.2)	66.7	(20.7)	(3.4)	0.01	0.02	(0.02)
0.00	0.00	0.00	23.5	(5.0)	(17.2)	13.0	(6.9)	(10.0)	0.02	0.00	(0.01)
0.00	0.00	0.00	(0.4)	6.5	(29.7)	(5.3)	(0.9)	(11.1)	0.01	0.02	(0.05)
0.00	0.00	0.00	37.2	(53.1)	(29.3)	7.9	34.9	18.8	0.02	(0.05)	(0.02)
0.00	0.00	0.00	(299.9)	(434.8)	(418.3)	(13.1)	(487.9)	(191.0)	(0.08)	0.02	(0.08)

4 term3			FD			FP			FL			Coefficient
(PPE)(t) / A (t-1)			2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2017 A	2018 A	α1 8.332
2018 A	2019 A	2016 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2017 A	2018 A	α2 -0.253
0.66	0.63	0.77	(0.0)	(0.1)	(0.0)	0.409	(0.6)	0.7	0	1	0	α3 -0.067
0.73	0.74	0.61	3.1	0.1	(0.4)	(0.0)	0.0	0.0	0	0	0	
0.52	0.54	0.57	0.0	(0.0)	(0.1)	(0.2)	(0.4)	0.5	0	1	0	
0.44	0.46	0.57	(0.7)	1.7	0.0	0.1	(0.2)	(0.4)	0.2	0	1	1
1.33	1.30	1.29	0.1	(0.0)	0.0	(0.1)	0.0	(0.0)	0	0	0	
0.67	0.65	0.67	(0.1)	0.0	0.1	(0.0)	(0.1)	0.0	0	0	0	
0.67	0.75	0.79	(0.0)	(0.1)	(0.1)	(0.1)	(0.1)	0.0	0	0	0	
1.00	1.04	1.11	(0.1)	(0.1)	0.1	0.1	(0.3)	(0.4)	0.2	1	1	
0.64	0.61	0.63	0.3	0.1	0.4	(0.3)	(0.1)	0.1	0	0	0	
1.24	1.34	1.54	(0.0)	(0.1)	0.1	(0.0)	(0.1)	0.0	0	0	0	
1.00	1.07	1.00	(0.1)	0.2	0.1	(0.0)	(0.1)	(0.0)	0	0	0	
0.59	0.59	0.70	0.1	0.7	1.1	(0.1)	(0.9)	(0.8)	0	1	1	

Result Step 2	α1 / A (t-1)			α2 (Δ(REV)_t - Δ(REC)_t) / A (t-1)			α3 (PPE)(t) / A (t-1)			DACC - ε t			Result Step 3	
	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	2017 A	2018 A	2019 A	NDACC	
			(0.05)	(0.01)	(0.00)	(0.05)	(0.05)	(0.04)	(0.09)	(0.16)	(0.09)	(0.05)		
	0.00	0.00	0.00	(0.03)	(0.06)	0.04	(0.04)	(0.05)	(0.04)	(0.05)	(0.11)	0.03		
	0.00	0.00	0.00	0.01	(0.00)	0.00	(0.04)	(0.04)	(0.04)	(0.07)	0.13	0.03		
	0.01	0.01	0.01	0.06	0.07	0.06	(0.03)	(0.03)	(0.04)	0.08	(0.24)	(0.02)		
	0.01	0.01	0.01	0.01	(0.00)	0.02	(0.09)	(0.09)	(0.09)	0.02	0.09	(0.05)		
	0.00	0.00	0.00	0.00	0.00	0.01	(0.04)	(0.04)	(0.05)	0.05	(0.00)	(0.02)		
	0.01	0.01	0.01	0.01	0.00	0.00	(0.04)	(0.05)	(0.05)	0.02	0.03	0.08		
	0.00	0.00	0.00	(0.00)	(0.01)	0.00	(0.07)	(0.07)	(0.07)	0.04	(0.01)	(0.09)		
	0.01	0.01	0.01	(0.00)	(0.00)	0.00	(0.04)	(0.04)	(0.04)	0.04	0.02	0.03		
	0.02	0.02	0.02	0.02	0.00	0.01	(0.08)	(0.09)	(0.10)	0.04	0.02	0.03		
	0.00	0.00	0.00	(0.00)	0.01	0.01	(0.07)	(0.07)	(0.07)	0.01	0.04	0.02		
	0.02	0.00	0.00	(0.04)	(0.04)	(0.05)	(0.04)	(0.04)	(0.05)	0.00	(0.29)	(0.04)		