

SD-1

Facility Association - Trend Analysis - Industry - OW Approach

NL - CV	actual observations:	40
BI	excluded observations:	24
as at: Dec 31, 2012	# observations used:	16

Level Options:	Freq	Sev	LC
At Selected Ultimate Levels	1	R	S T
At Favourable Levels	2	V	W X
At Unfavourable Levels	3	Z	AA AB

MODEL DESCRIPTION Regulator LC avg 1: latest 10 yrs only, excluding 2 highest and 2 lowest by % change

FITTED TREND STRUCTURE ANOVA					
	df	SS	MS	F	Significance F
Regression	1	0.0371	0.0371	1.8649	0.1936
Residual	14	0.2786	0.0199		
Total	15	0.3157			

SELECTED TREND STRUCTURE ANOVA					
	df	SS	MS	F	Significance F
Regression	1	0.0287	0.0287	1.1664	#NUM!
Residual	14	0.2444	0.0246		
Total	15	0.3157			

FITTED TREND STRUCTURE REGRESSION STATISTICS						
Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
0.3429	0.0373	0.0545	0.1411	15	24	2

SELECTED TREND STRUCTURE REGRESSION STATISTICS						
Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
#NUM!	0.0905	0.1683	0.1569	16	24	2

Runs-Test Result: 3.6076 RESIDUALS RUNS NOT RANDOM
 # parameters with p-value >5% 2

Runs-Test Result: 4.1715 RESIDUALS RUNS NOT RANDOM

	Coefficients	S.E.	t-Stat	p-value	C.I. Lower	C.I. Upper	0.99 Selected Coeff.
Intercept	40.859	23.984	1.704	11.0%	(30.528)	112.266	36.105
Season	-	-	-	n/a	-	-	-
All Years	(0.018)	0.012	(1.466)	16.5%	(0.053)	0.018	(0.015)
Scalar 1	-	-	-	n/a	-	-	-
Trend 1	-	-	-	n/a	-	-	-
Scalar 2	-	-	-	n/a	-	-	-
Trend 2	-	-	-	n/a	-	-	-
Scalar 3	-	-	-	n/a	-	-	-
Trend 3	-	-	-	n/a	-	-	-
Scalar 4	-	-	-	n/a	-	-	-
Trend 4	-	-	-	n/a	-	-	-

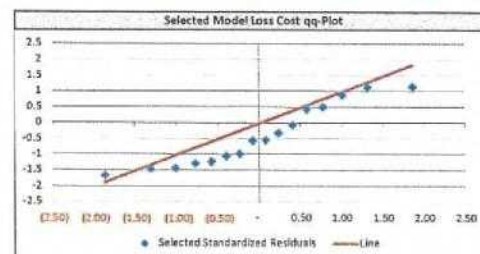
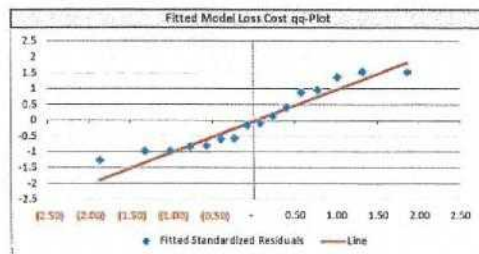
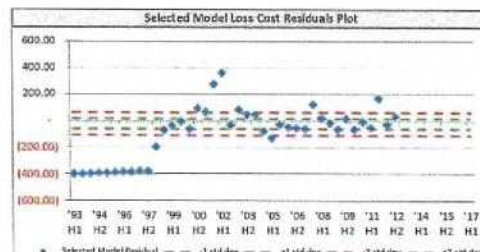
Trends are Annual use "All Years" to match trend; use "Intercept" to match average values

	Fitted Annual	Previous Selected Annual	Selected Annual	selected does NOT equal fitted!
past	(1.7%)	(2.5%)	(2.5%)	'12H2 => last period in "past"
future	(1.7%)	(2.5%)	(1.5%)	

WHERE SELECTED MODEL COEFFICIENTS ARE TO BE FITTED MANUALLY:

Option 1: set so that averages for selected model = actuals over the period
 avg NOT USED
 From Valuation - '03H1 to '12H2 318.92 actual values
 Selected Model - '03H1 to '12H2 318.92 selected model values
 diff: - if used, adjust scalar to make diff zero

Option 2: set to minimize mean square error (MSE)
 MSE: 0.0246 NOT USED



Facility Association - Trend Analysis - Industry - OW Approach
 NL - CV
 BI
 as at: Dec 31, 2012

actual observations:	40
excluded observations:	32
# observations used:	8

Level Options:	Freq	Sev	LC
At Selected Ultimate Levels	1	R	S T
At Favourable Levels	2	V	W X
At Unfavourable Levels	3	Z	AA AB

MODEL DESCRIPTION: Regulator LC avg 2: latest 5 yrs only, excluding highest and lowest by % change

	df	SS	MS	F	Significance F
Regression	1	0.0003	0.0003	0.0145	0.9080
Residual	6	0.1294	0.0216		
Total	7	0.1297			

Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
0.0491	0.0024	(0.2831)	0.1469	8	32	2

Runs-Test Result: 4.4195 RESIDUALS RUNS NOT RANDOM
 # parameters with p-value >5%: 2

	Coefficients	S.E.	t-Stat	p-value	C.I. Lower	C.I. Upper	0.99 Selected Coeff.
Intercept	14.576	-	-	100.0%	14.576	14.576	96.120
Season	-	-	-	n/a	-	-	10
All Years	(0.004)	-	-	100.0%	(0.004)	(0.004)	(0.015)
Scalar 1	-	-	-	n/a	-	-	8
Trend 1	-	-	-	n/a	-	-	7
Scalar 2	-	-	-	n/a	-	-	6
Trend 2	-	-	-	n/a	-	-	5
Scalar 3	-	-	-	n/a	-	-	4
Trend 3	-	-	-	n/a	-	-	3
Scalar 4	-	-	-	n/a	-	-	2
Trend 4	-	-	-	n/a	-	-	1

Trends are Annual use "All Years" to match trend; use "Intercept" to match average values

	df	SS	MS	F	Significance F
Regression	1	(0.0415)	(0.0415)	(1.4539)	#NUM!
Residual	6	0.1712	0.0285		
Total	7	0.1297			

Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
#NUM!	(0.3181)	(0.5394)	0.1689	8	32	2

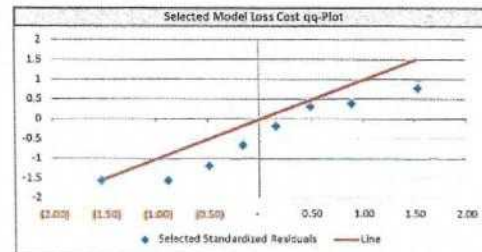
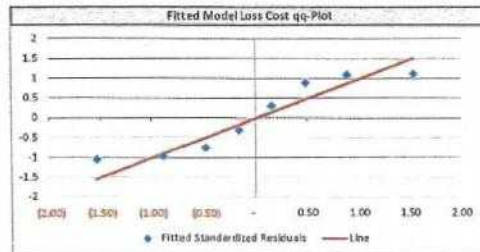
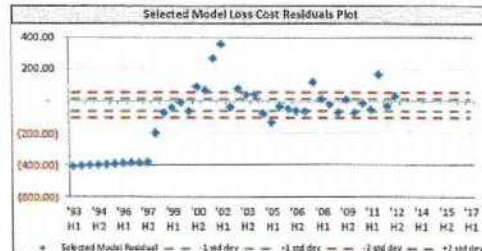
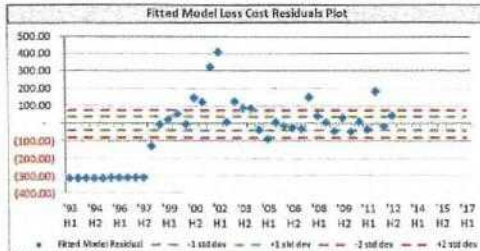
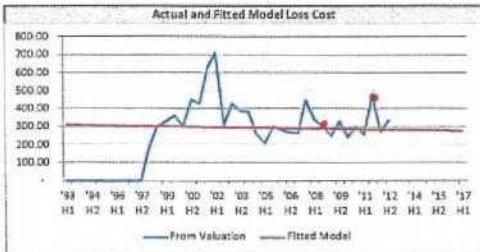
Runs-Test Result: 4.8640 RESIDUALS RUNS NOT RANDOM

	Fitted Annual	Previous Selected	Selected Annual	selected does NOT equal fitted
past	(0.4%)	(2.5%)	(1.5%)	'12H2 => last period in "past"
future	(0.4%)	(2.5%)	(1.5%)	

WHERE SELECTED MODEL COEFFICIENTS ARE TO BE FITTED MANUALLY:

Option 1: set so that averages for selected model = actuals over the period
 avg NOT USED
 From Valuation - '08H1 to '12H2: 311.69 actual values
 Selected Model - '08H1 to '12H2: 311.69 selected model values
 diff: [0.00] If used, adjust scalar to make diff zero

Option 2: set to minimize mean square error (MSE)
 MSE: 0.0285 NOT USED



SD-3

Facility Association - Trend Analysis - Industry - QW Approach
NL - CV
BI
as at: Dec 31, 2012

actual observations:	40
excluded observations:	24
# observations used:	16

Level Options:	Freq	Sev	LC
At Selected Ultimate Levels	1	R	S T
At Favourable Levels	2	V	W X
At Unfavourable Levels	3	Z	AA AB

MODEL DESCRIPTION Regulator LC avg 3: latest 10 yrs only to second most recent period, excluding 2 highest and 2 lowest by % change

	df	SS	MS	F	Significance F
Regression	1	0.1575	0.1575	8.0155	0.0133
Residual	14	0.2752	0.0197		
Total	15	0.4327			

	df	SS	MS	F	Significance F
Regression	1	0.0694	0.0694	2.6752	0.1242
Residual	14	0.3633	0.0259		
Total	15	0.4327			

Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
0.6034	0.3641	0.3187	0.1402	16	24	2

Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
0.4005	0.1504	0.1025	0.1611	16	24	2

Runs-Test Result: 3.6078 RESIDUALS RUNS NOT RANDOM
parameters with p-value >5%
0

Runs-Test Result: 3.5234 RESIDUALS RUNS NOT RANDOM

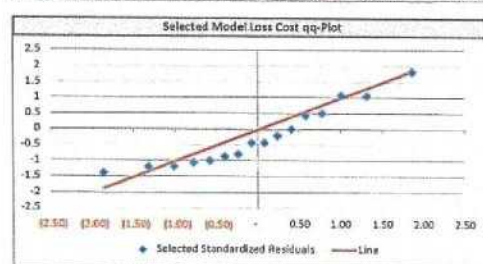
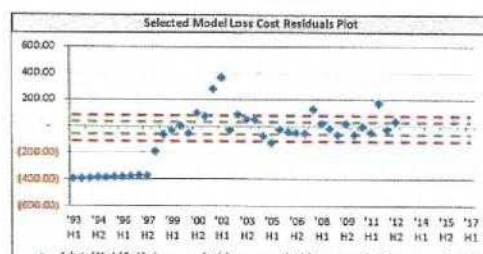
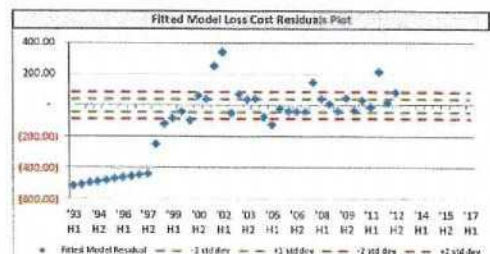
	Coefficients		S.E.	t-Stat	p-value	C.I.		0.99 Upper	Selected Coeff.
	1	2				Lower	Upper		
Intercept	78.421	18.819	4.167	0.1%	22.399	134.442	36.094	11	
Season	-	-	-	n/a	-	-	-	10	
All Years	(0.036)	0.009	(3.854)	0.2%	(0.064)	(0.008)	(0.015)	9	
Scalar 1	-	-	-	n/a	-	-	-	8	
Trend 1	-	-	-	n/a	-	-	-	7	
Scalar 2	-	-	-	n/a	-	-	-	6	
Trend 2	-	-	-	n/a	-	-	-	5	
Scalar 3	-	-	-	n/a	-	-	-	4	
Trend 3	-	-	-	n/a	-	-	-	3	
Scalar 4	-	-	-	n/a	-	-	-	2	
Trend 4	-	-	-	n/a	-	-	-	1	

	Fitted Annual	Previous Selected	Selected Annual	selected does NOT equal fitted!
past	(3.5%)	(2.5%)	(1.5%)	'12H2 => last period in "past"
future	(3.5%)	(2.5%)	(1.5%)	

WHERE SELECTED MODEL COEFFICIENTS ARE TO BE FITTED MANUALLY:

Option 1: set so that averages for selected model = actuals over the period
avg NOT USED
From Valuation - '02H2 to '12H1 317.90 actual values
Selected Model - '02H2 to '12H1 317.90 selected model values
diff: 0.00 if used, adjust scalar to make diff zero

Option 2: set to minimize mean square error (MSE)
MSE: 0.0259 NOT USED



Facility Association - Trend Analysis - Industry - OW Approach
 NL - CV
 BI as at: Dec 31, 2012

actual observations:	40
excluded observations:	32
# observations used:	8

	Level Options:	From	Seq	LC
At Selected Ultimate Levels	1	R	S	T
At Favourable Levels	2	V	W	X
At Unfavourable Levels	3	Z	AA	AB

MODEL DESCRIPTION Regulator LC avg 4: latest 5 yrs only to second most recent period, excluding highest and lowest by % change

FITTED TREND STRUCTURE ANOVA					
	df	SS	MS	F	Significance F
Regression	1	0.0046	0.0046	0.0927	0.7833
Residual	6	0.3323	0.0554		
Total	7	0.3369			

FITTED TREND STRUCTURE REGRESSION STATISTICS						
Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
0.1166	0.0336	0.1308	0.2353	8	32	2

Runs-Test Result: 4.4387 RESIDUALS RUNS NOT RANDOM
 # parameters with p-value >5%: 2

	Coefficients	S.E.	t-Stat	p-value	C.I. Lower	C.I. Upper	0.99 Selected Coef#.
Intercept	(32.825)	-	-	100.0%	(32.825)	(32.825)	38,149 11
Season	-	-	-	n/a	-	-	10
All Years	0.019	-	-	100.0%	0.019	0.019	20,215 9
Scalar 1	-	-	-	n/a	-	-	8
Trend 1	-	-	-	n/a	-	-	7
Scalar 2	-	-	-	n/a	-	-	6
Trend 2	-	-	-	n/a	-	-	5
Scalar 3	-	-	-	n/a	-	-	4
Trend 3	-	-	-	n/a	-	-	3
Scalar 4	-	-	-	n/a	-	-	2
Trend 4	-	-	-	n/a	-	-	1

Trends are Annual use "All Years" to match trend, use "Intercept" to match average values

SELECTED TREND STRUCTURE ANOVA					
	df	SS	MS	F	Significance F
Regression	1	(0.0383)	(0.0383)	(0.5810)	#N/UM!
Residual	6	0.3781	0.0622		
Total	7	0.3369			

SELECTED TREND STRUCTURE REGRESSION STATISTICS						
Multiple R	R2	Adjusted R2	S.E. of Estimate	# of Obs. n	# of Obs. Excluded	k
#N/UM!	(0.1276)	(-0.2922)	0.2494	8	32	2

Runs-Test Result: 4.0731 RESIDUALS RUNS NOT RANDOM

	Fitted Annual	Previous Selected	Selected Annual	selected does NOT equal fitted!
past	1.9%	(2.5%)	(1.5%)	'12H2 => last period in "past"
future	1.9%	(2.5%)	(1.5%)	

WHERE SELECTED MODEL COEFFICIENTS ARE TO BE FITTED MANUALLY:

Option 1: set so that averages for selected model = actuals over the period
 avg NOT USED

From Valuation - '07H2 to '12H1 323.00 actual values
 Selected Model - '07H2 to '12H1 323.00 selected model values
 diff: - if used, adjust scalar to make diff zero

Option 2: set to minimize mean square error (MSE)
 MSE: 0.0622 NOT USED

