

**Attachment 2: Projected Future Liberty Monitor Values Adjusted for Actual Clairton
Coke Shutdown/Startup Timelines**

ACHD Projections*		
	Liberty Monitor Impact in 2012	Liberty Monitor Impact in 2015
Batteries 1-3	0.089	
Batteries 7-9	0.089	
C Battery		0.021
D Battery		0.019
Quench 1	1.41	
Quench 3	1.4	
Quench C		0.076
Quench D		0.054
Combustion Stack 1	0.016	
Combustion Stack 2	0.024	
Combustion Stack 3	0.017	
Combustion Stack 7	0.013	
Combustion Stack 8	0.012	
Combustion Stack 9	0.013	
Combustion Stack C		0.01
Combustion Stack D		0.007
PEC Baghouse 1-3	0.022	
PEC Baghouse 7-9	0.024	
PEC Baghouse C		0.029
PEC Baghouse D		0.024
total impact	3.129	0.24

* from SIP, App. J at 38

2013 Projections Adjusted for Actual Shutdown/Startup Timelines		
	Add to 2013 Liberty Monitor Impact	Subtract from 2013 Liberty Monitor Impact
Batteries 1-3	0.089	
Batteries 7-9		
C Battery		
D Battery		0.019
Quench 1	1.41	
Quench 3	1.4	
Quench C		
Quench D		0.054
Combustion Stack 1	0.016	
Combustion Stack 2	0.024	
Combustion Stack 3	0.017	
Combustion Stack 7		
Combustion Stack 8		
Combustion Stack 9		
Combustion Stack C		
Combustion Stack D		0.007
PEC Baghouse 1-3	0.022	
PEC Baghouse 7-9		
PEC Baghouse C		
PEC Baghouse D		0.024
total impact	2.978	0.104
2013 Design Value	17.8736	

2014 Projections Adjusted for Actual Shutdown/Startup Timelines			2015 Projections Adjusted for Actual Shutdown/Startup Timelines		
	Add to 2014 Liberty Monitor Impact	Subtract from 2014 Liberty Monitor Impact		Add to 2015 Liberty Monitor Impact	Subtract from 2015 Liberty Monitor Impact
Batteries 1-3	0.089		Batteries 1-3	0.089	
Batteries 7-9			Batteries 7-9		
C Battery			C Battery		
D Battery		0.019	D Battery		0.019
Quench 1	1.41		Quench 1	1.41	
Quench 3	1.4		Quench 3	1.4	
Quench C			Quench C		
Quench D		0.054	Quench D		0.054
Combustion Stack 1	0.016		Combustion Stack 1	0.016	
Combustion Stack 2	0.024		Combustion Stack 2	0.024	
Combustion Stack 3	0.017		Combustion Stack 3	0.017	
Combustion Stack 7			Combustion Stack 7		
Combustion Stack 8			Combustion Stack 8		
Combustion Stack 9			Combustion Stack 9		
Combustion Stack C			Combustion Stack C		
Combustion Stack D		0.007	Combustion Stack D		0.007
PEC Baghouse 1-3	0.022		PEC Baghouse 1-3	0.022	
PEC Baghouse 7-9			PEC Baghouse 7-9		
PEC Baghouse C			PEC Baghouse C		
PEC Baghouse D		0.024	PEC Baghouse D		0.024
total impact	2.978	0.104	total impact	2.978	0.104
2014 Design Value	17.8736		adjusted total impact*	1.81658	0.06344
			2015 Design Value*	16.75274	

**adjusted for aug 11, 2015 startup / shutdown*