



Owner COAA Sample Key Report

General Performance Key Report
Report Date: 07/05/2012

Project General Information

Company Name		COAA Testco		Respondent Type (RT)		Owner	
Project ID		L02O00083		Industry Group (IG)		Heavy Industrial	
Project Location	Country	Canada		Project Type (PT)		Oil Sands SAGD	
	City	Calgary		Project Nature (PN)		Grass Roots	
Project Cost	Local (2006)	CAD\$ 229,389,150.00		Cost Category (CC)		\$100MM - \$500MM	
	Chicago (2011)	USD\$ 273,027,362.84		Project Priority		Project Cost	
Current Exchange Rate		1 USD = 1.113 CAD		Total Site Workhours		1,300,000	
Location Index for 2006 (RS Means)		Calgary	169.1	Chicago	180.9	Design thru Startup Duration	
Historical Index for Chicago (RS Means)		2006	180.9	2011	224.0	Midpoint of Construction (mm/dd/yyyy)	
						05/01/2006	

Key Report Legend

- Q1, Q2, Q3 and Q4 stands for the 1st, 2nd, 3rd and 4th quartile respectively. If the quartile cell is colored, Q1 represents best performance and Q4 represents worst performance.
- If the quartile cell is not colored, Q1 represents the group with the highest metric value, while Q4 represents the group with the lowest metric value. (for these metrics, lower or higher scores are not necessary better.)
- UO indicates an Upper Outlier with a extremely high metric value, LO indicates a Lower Outlier with an extremely low metric value.
- C indicates that the benchmarking result is suppressed because the comparison dataset doesn't meet minimum requirements to ensure confidentiality (i.e. 10 or more projects from 3 or more companies).
- ✓ in the comparison criteria indicates that the comparison dataset has the same specific characteristic as your project.
- Asterisk (*) on the n value denotes a small sample of projects (between 10 & 20).

[Hide Legend](#)

General Performance - Cost

Metric	Project Score	Percentile	COAA Database Mean	Quartile	Comparison Criteria					n
					RT	IG	PT	PN	CC	
Project Cost Growth	0.018	32 %	0.197	Q2	✓	all	all	all	all	28
Delta Cost Growth	0.018	4 %	0.305	Q1	✓	all	all	all	all	28
Project Budget Factor	1.031	45 %	1.221	Q2	✓	all	all	all	all	17 *
Delta Budget Factor	0.031	28 %	0.255	Q2	✓	all	all	all	all	17 *
Contingency / Budget (%)	9.091	57 %	7.633	Q3	✓	all	all	all	all	29
CM Cost / Actual Project Cost (%)	2.215	27 %	4.229	Q2	✓	all	all	all	all	16 *
Total Major Equipment Cost / Actual Project Cost (%)	0.246		15.943	LO	✓	all	all	all	all	18 *
Total cost of mechanical and process equipment / Actual Project Cost (%)	0.203		10.743	LO	✓	all	all	all	all	19 *
Owner's Total Cost / Actual Project Cost (%)	113.078		C	C	C	C	C	C	C	C
FEP Cost Growth	0.710	94 %	-0.151	Q4	✓	all	all	all	all	15 *
Detail Engineering Cost Growth	0.827	87 %	0.118	Q4	✓	all	all	all	all	22
Procurement Cost Growth	-0.162	6 %	0.043	Q1	✓	all	all	all	all	16 *
Construction Cost Growth	-0.017	19 %	0.292	Q1	✓	all	all	all	all	23
Construction Direct Cost Growth (%)	-2.650	23 %	24.811	Q1	✓	all	all	all	all	15 *
Construction Indirect Cost Growth (%)	-0.731	18 %	48.266	Q1	✓	all	all	all	all	15 *
Startup Cost Growth	0.332	50 %	0.390	Q3	✓	all	all	all	all	13 *
FEP Cost Factor	0.031	75 %	0.021	Q4	✓	all	all	all	all	18 *
Detail Engineering Cost Factor	0.033	5 %	0.115	Q1	✓	all	all	all	all	23
Procurement Cost Factor	0.025		0.258	LO	✓	all	all	all	all	18 *
Construction Cost Factor	0.870	88 %	0.648	Q4	✓	all	all	all	all	24
Startup Cost Factor	0.041	64 %	0.037	Q3	✓	all	all	all	all	13 *



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General Performance - Schedule

Metric	Project Score	Percentile	COAA Database Mean	Quartile	Comparison Criteria					n
					RT	IG	PT	PN	CC	
Project Schedule Growth	0.053	52 %	0.128	Q3	✓	all	all	all	all	25
Delta Schedule Growth	0.053	48 %	0.166	Q2	✓	all	all	all	all	25
Project Schedule Factor	0.848		C	C	C	C	C	C	C	C
Delta Schedule Factor	0.152		C	C	C	C	C	C	C	C
FEP Schedule Growth	0.000	13 %	0.133	Q1	✓	all	all	all	all	23
Detail Engineering Schedule Growth	-0.310		0.348	LO	✓	all	all	all	all	24
Procurement Schedule Growth	0.041	49 %	0.150	Q2	✓	all	all	all	all	22
Construction Schedule Growth	-0.011	21 %	0.174	Q1	✓	all	all	all	all	28
Startup Schedule Growth	0.145	41 %	0.466	Q2	✓	all	all	all	all	20
FEP Duration Factor	0.137		0.257	LO	✓	all	all	all	all	20
Detail Engineering Duration Factor	0.140	5 %	0.500	Q1	✓	all	all	all	all	20
Procurement Duration Factor	0.430	20 %	0.525	Q1	✓	all	all	all	all	18 *
Construction Duration Factor	0.655	77 %	0.548	Q4	✓	all	all	all	all	22
Startup Duration Factor	0.085	61 %	0.098	Q3	✓	all	all	all	all	22
Percent Design Complete at Authorization	10.0	14 %	22.0	Q1	✓	all	all	all	all	18 *
Percent Design Complete prior to Construction	46.0	40 %	51.7	Q2	✓	all	all	all	all	19 *
Actual Project Cost / Execution Duration (USD\$/Week)	1,083,440.476	48 %	2,014,577.379	Q2	✓	all	all	all	all	25

General Performance - Change

Metric	Project Score	Percentile	COAA Database Mean	Quartile	Comparison Criteria					n
					RT	IG	PT	PN	CC	
Change Cost Factor	-0.012	12 %	0.049	Q1	✓	all	all	all	all	16 *
Change Schedule Factor	0.230		C	C	C	C	C	C	C	C

General Performance - Quality

Metric	Project Score	Percentile	COAA Database Mean	Quartile	Comparison Criteria					n
					RT	IG	PT	PN	CC	
Rework Cost Factor	0.015	19 %	0.044	Q1	all	all	all	all	all	12 *
Rework Schedule Factor	0.061	27 %	0.230	Q2	all	all	all	all	all	10 *

General Performance - Safety

Metric	Project Score	Percentile	COAA Database Mean	Quartile	Comparison Criteria					n
					RT	IG	PT	PN	CC	
Total Recordable Incident Rate	1.69	44 %	4.67	Q2	✓	all	all	all	all	24
Days Away, Restricted or Transferred Rate	0.92	68 %	1.46	Q3	✓	all	all	all	all	23
Lost Time Frequency (LTF)	0.308	75 %	0.234	Q4	✓	all	all	all	all	22
Medical Aid Frequency (MAF)	0.769	33 %	1.632	Q2	✓	all	all	all	all	21
First Aid Frequency (FAF)	7.692	28 %	22.637	Q2	✓	all	all	all	all	22
Restricted Work Frequency (RWF)	0.615	69 %	1.276	Q3	✓	all	all	all	all	21
Lost Time Severity Rate (LTSR)	3.077		0.125	UO	✓	all	all	all	all	13 *