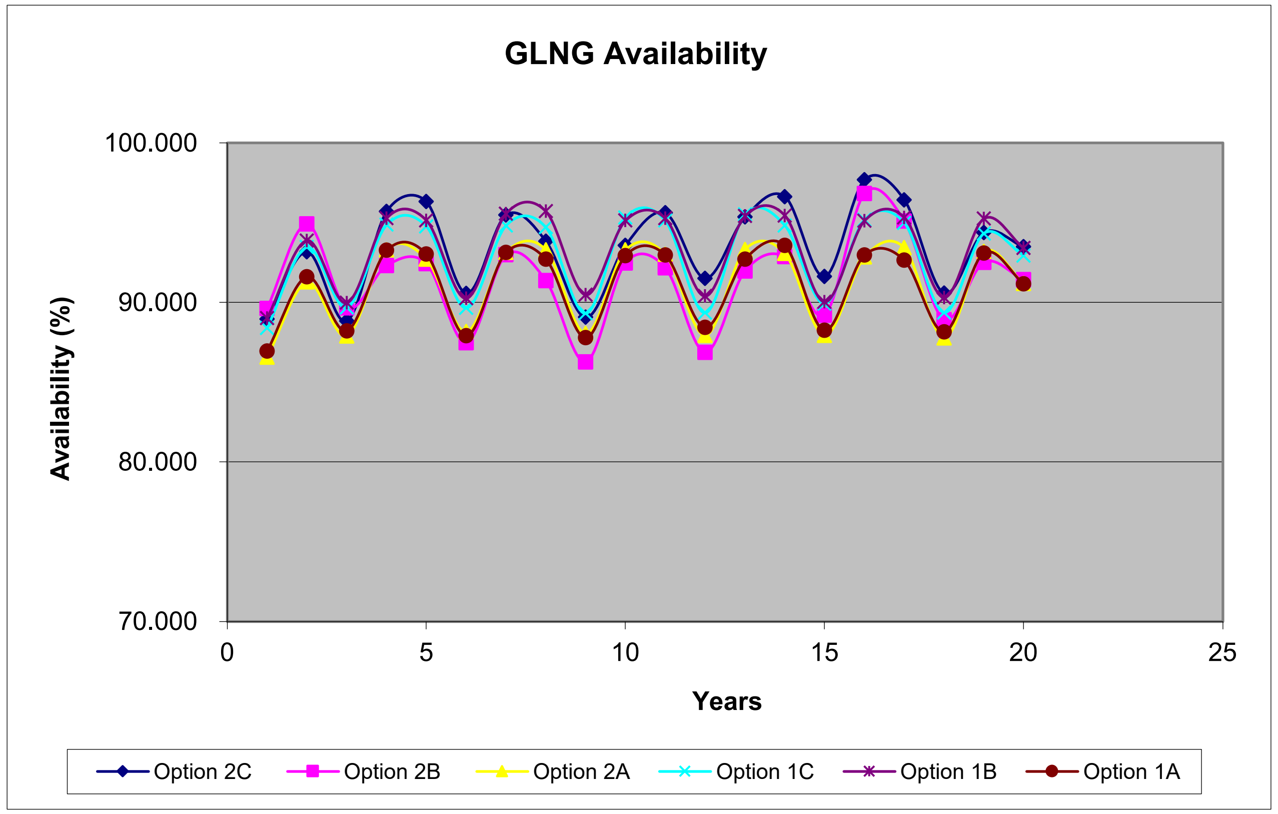
ECITB Estimating Course

Information Sheet No. 12
Generic NPV Calculation

	Availability Result (%)					
Year	Option 2C	Option 2B	Option 2A	Option 1C	Option 1B	Option 1A
1	88.944	89.617	86.559	88.398	89.009	86.941
2	93.167	94.907	91.274	93.465	93.878	91.602
3	88.825	89.648	87.893	89.665	89.967	88.212
4	95.701	92.306	93.292	94.870	95.281	93.265
5	96.317	92.429	92.707	94.756	95.142	93.021
6	90.564	87.463	88.163	89.645	90.254	87.906
7	95.478	92.983	93.127	94.817	95.557	93.136
8	93.839	91.366	93.294	94.711	95.708	92.711
9	89.068	86.269	88.040	89.305	90.476	87.786
10	93.574	92.473	93.284	95.312	95.126	92.927
11	95.609	92.163	93.004	95.126	95.266	92.968
12	91.504	86.872	87.932	89.351	90.394	88.438
13	95.349	91.966	93.311	95.514	95.414	92.708
14	96.629	92.859	93.064	94.814	95.441	93.561
15	91.612	89.194	87.934	89.920	90.034	88.246
16	97.674	96.825	92.838	95.175	95.104	92.964
17	96.422	95.098	93.422	94.982	95.321	92.639
18	90.575	88.914	87.773	89.362	90.306	88.151
19	94.374	92.504	93.186	94.317	95.245	93.096
20	93.482	91.415	91.172	92.934	93.399	91.164
Avg	**93.44**	**91.36**	**91.06**	**92.82**	**93.32**	**91.07**
	341.04	333.48	332.38	338.80	340.60	332.41

	un-availability (note 2)		Shuttdown Frequency	Comments
	(hr)	(%)	(note1)	
Option 1A	15,033	8.6%	323	
Option 1B	11,232	6.4%	151	
Option 1C	11,978	6.8%	152	
Option 2A	6,198	3.5%	93	
Option 2B	1,126	0.6%	8	note 3
Option 2C	682	0.4%	1	note 4

Note:
1.- Number of time that the overall facility goes to shutdown along of the 20 years of operation
2.- Amount of time that the facility goes below 35% of capacity.
3.- Shutdown frequency expected by train is 10
4.- Shutdown frequency expected by train is 8



Information Sheet No. 12
Generic NPV Calculation

Metrics Data 1	Value	Units	Reference
Inlet Gas Price	4.0	A$/GJ	DL007
LNG Product Value	11.0	USD/mmbtu	DL007
Disposal Gas Value	2.0	A$/GJ	DL007
Carbon Pricing	0.0	A$/tonne CO2	DL007
Purchased Electical Power	50.0	A$/MWh	DL007
Generated Elctrical Revenue	20.0	A$/MWh	DL007
Finance Interest Rate (DCF)	11%		DL007
Forex rate (AUD to USD)	0.80		DL007
LCC period	20	years	DL007

Inputs

Metrics Data 2	Value	Units	Reference
Inlet Gas Price	3.2	USD/GJ	
LNG Product Value	11.0	USD/mmbtu	
Disposal Gas Value	1.6	USD/GJ	
Carbon Pricing	0.0	USD/tonne CO2	
Purchased Electical Power	40.0	USD/MWh	
Generated Elctrical Revenue	16.0	USD/MWh	
Finance Interest Rate (DCF)	11%		
Forex rate (AUD to USD)	0.80		
LCC period	20	years	

Disposal Gas ratio (re Feed gas rate)	35%	
Disposal Gas Value	1.6	USD/GJ
Assign Disposal on reliability instead of availability (Y/N)	Y	

Metrics Data 3

Average Salary (incl. burden)	96,000	USD per year	0.8
Propane Refrigerant Supply Cost	400	USD/tonne	
Ethaane Refrigerant Supply Cost	400	USD/tonne	

Option Designation		Case 1a
Option Description		One Train GT Drives On-site Power Gen

ECONOMIC INDICATORS

NPV	USD Million	2,174	
NPV Relative to Case 1a	**%**	**100%**	
IRR	%	18.3%	
IRR Relative to Case 1a	**%**	**100%**	
LCC	USD Million	2,879	
LCC Relative to Case 1a	**%**	**100%**	
NPV (Capex only)	USD Million	2,554	
NPV (Capex only) Relative to Case 1a	**%**	**100%**	
NPV (Opex only)	USD Million	325	
NPV (Opex only) Relative to Case 1a	**%**	**100%**	
Disposal Gas	20 yr HHVtotal	3,802	
Disposal Gas Relative to Case 1a	**%**	**100%**	

FEEDSTOCKS

Feed gas rate (365 days)	MTPA	3.91	
Feed gas rate (365 days) - HHV basis	MW	6329	

PRODUCTS

LNG Loaded (365 days)	MTPA	3.30	
LNG Loaded (365 days) - HHV basis	MW	5750	
CO2 Emissions from fuel (365 days)	MTPA	0.90	
Carbon Emissions from fuel (365 days)	MTPA	0.25	

CAPEX

CAPEX Estimate (4Q 2007) - LNG Facility	USD	3,650,471,000	
Owners Costs Factor - LNG Facility	%	10%	
Owners Costs - LNG Facility	USD	365,047,100	
CAPEX Estimate (4Q 2007) - Import Power Infrastructure	USD	-	No import power
Total CAPEX	USD	4,015,518,100	
CAPEX Expenditure	2007	0.0%	
CAPEX Expenditure	2008	0.0%	
CAPEX Expenditure	2009	0.0%	
CAPEX Expenditure	2010	17.0%	
CAPEX Expenditure	2011	40.0%	
CAPEX Expenditure	2012	31.0%	
CAPEX Expenditure	2013	12.0%	
CAPEX Expenditure	2014	0.0%	
CAPEX Expenditure	2015	0.0%	

AVAILABILITY

1	2007	0.00%	
2	2008	0.00%	
3	2009	0.00%	
4	2010	0.00%	
5	2011	0.00%	

6	2012	0.00%	
7	2013	0.00%	
8	2014	86.94%	
9	2015	91.60%	
10	2016	88.21%	
11	2017	93.27%	
12	2018	93.02%	
13	2019	87.91%	
14	2020	93.14%	
15	2021	92.71%	
16	2022	87.79%	
17	2023	92.93%	
18	2024	92.97%	
19	2025	88.44%	
20	2026	92.71%	
21	2027	93.56%	
22	2028	88.25%	
23	2029	92.96%	
24	2030	92.64%	
25	2031	88.15%	
26	2032	93.10%	
27	2033	91.16%	

RELIABILITY

		8.58%	

START-UP & RAMP UP (PRODUCTION FACTOR)

No of Trains		1	
		Train 1	Train 2
Start up		1Q2014	
Start up date		01 January 2014	
		31 December 2014	
Potential Production Days per train in start-up year		365	
Production potential per train in start up year		100%	0%
Production potential in start up year		100%	
Ramp-up in start up year		100%	
Production Factor - Year 1	2014	100%	
Production Factor / Ramp up - Year 2	2015	100%	
Production Factor / Ramp up - Year 3	2016	100%	
Production Factor / Ramp up - Year 4 onwards	2017 - 2033	100%	

OPEX - FIXED

Company Payroll			
Average Salary (incl.burden)	USD per year	96,000	
Staff		70	
Company Payroll	USD per year	6,720,000	
Maintenance Costs			
Materials and Spares	1%	36,504,710	
Maintenance Cost	USD per year	6,677,214	
		0.18%	
Insurance			

Insurance Cost Basis	0.5%	0.5%	of CAPEX
Insurance Cost	USD per year	18,252,355	
Refrigerant Import			
Propane Import	tonne / year	476.80	
Propane Refrigerant Supply Cost	USD/tonne	400.00	
Propane Refrigerant Supply Cost	USD per year	190,719	
Ethane Import	tonne / year	610.56	
Ethane Refrigerant Supply Cost	USD/tonne	400.00	
Ethane Refrigerant Supply Cost	USD per year	244,224	
Total Refrigerant Supply Cost	USD per year	434,943	
Catalyst & Chemical Consumption			
Catalyst & Chemical Consumption Cost	USD per year	818,540	
General Plant Overheads			
Overheads Cost Basis	10%	10.0%	
Overheads Cost	USD per year	6,940,776	
OPEX - VARIABLE			
Imported Electrical Power			
Imported Electrical Power	MW	0.00	
Imported Electrical Power	MWh per year	0	
Import Power Cost	USD per year	0	

Case		1a	1b
Imported Electrical Power	USD per	-	-
Catalyst and Chemicals	USD per	818,540	-
Refrigerant Import	USD per	434,943	-
General Plant Overheads	USD per year	6,940,776	-
Materials and Spares	USD per year	36,504,710	-
Company Paroll	USD per year	6,720,000	-
Insurance	USD per	18,252,355	-
Maintenance and Shutdowns	USD per year	6,677,214	-
Total OPEX	USD per	76,348,538	-

Table 10.2.1

Case		1a	1b
Imported Electrical Power	USD per	-	-
Catalyst and Chemicals	USD per	0.82	-
Refrigerant Import	USD per	0.43	-
General Plant Overheads	USD per year	6.94	-
Materials and Spares	USD per year	36.50	-
Company Paroll	USD per year	6.72	-
Insurance	USD per	18.25	-
Maintenance and Shutdowns	USD per year	6.68	-
Total OPEX	USD per	76.35	-

Table 8.14.1

Case		1a	1b
Total OPEX	USD per	76.35	-
		100%	0%

Table 8.13.1

Case		1a	1b
Total CAPEX	USD per	4,016	-
		100%	0%

Table 8.15.1

Case		1a	1b
NPV	USD per	2,174	-
	USD per	0	-2174
	%	0%	-100%

Table 8.15.2

Case		1a	1b
IRR	%	18.3%	0.0%
	%	0.0%	-18.3%
	%	0.0%	-100.0%

Case		1a	1b
NPV 35% / 35% / 0A$/GJ	USD per		
	USD per		
	%		

Case		1a	1b
NPV 35% / 35% / 2A$/GJ	USD per		
	USD per		
	%		

Case		1a	1b
NPV 35% / 35% / 4A$/GJ	USD per		
	USD per		
	%		

Case		1a	1b
NPV 100% / 0% / 0A$/GJ	USD per		
	USD per		
	%		

ECITB

Information sheet 12

Inputs
From "LCC Summary" sheet

Metrics Data 2

Inlet Gas Price	3.2	USD/GJ
LNG Product Value	11.0	USD/mmbtu
Disposal Gas Value	1.6	USD/GJ
Carbon Pricing	0.0	USD/tonne of CO2
Purchased Electical Power	40.0	USD/MWh
Generated Elctrical Revenue	16.0	USD/MWh
Finance Interest Rate (DCF)	11%	
Forex rate (AUD to USD)	0.80	
LCC period	20	years

Years			1	2	3	4	5	6	7	8	9
Production Years			-7	-6	-5	-4	-3	-2	-1	1	2
Year			2007	2008	2009	2010	2011	2012	2013	2014	2015
CASH FLOW											
Gross Margin											
(Feedstock Cost - Total Product Revenue)			0	0	0	0	0	0	0	1,042,990,126	1,101,329,986
Capex			0	0	0	-682,638,077	-1,606,207,240	-1,244,810,611	-481,862,172	0	0
Opex - Fixed			0	0	0	0	0	0	0	-76,348,538	-76,348,538
Opex - Variable			0	0	0	0	0	0	0	0	0
Net Margin			0	0	0	-682,638,077	-1,606,207,240	-1,244,810,611	-481,862,172	966,641,588	1,024,981,449
Product Storage (EXCLUDED)			0	0	0	0	0	0	0	0	0
Cash in Hand (EXCLUDED)			0	0	0	0	0	0	0	0	0
Delta WC			0	0	0	0	0	0	0	0	0
Net Cash Flow			0	0	0	-682,638,077	-1,606,207,240	-1,244,810,611	-481,862,172	966,641,588	1,024,981,449
capex @			-2,553,555,243	0	0	-682,638,077	-1,606,207,240	-1,244,810,611	-481,862,172	0	0
opex @			-325,055,456	0	0	0	0	0	0	-76,348,538	-76,348,538
LCC @			-2,878,610,699	0	0	-682,638,077	-1,606,207,240	-1,244,810,611	-481,862,172	-76,348,538	-76,348,538
NPV @		**11.0%**	**2,173,625,000**								
IRR			18.3%								
ONSTREAM DAYS											
Availability			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	86.94%	91.60%
Onstream days per year			0	0	0	0	0	0	0	317	334
Production Factor			0%	0%	0%	0%	0%	0%	0%	100.00%	100%
Production days per year			0	0	0	0	0	0	0	317	334
FEEDSTOCKS											
Design Feed Gas Rate	MW (HHV)		6,329	6,329	6,329	6,329	6,329	6,329	6,329	6,329	6,329
Actual Feed Gas Rate	MW (HHV)		0	0	0	0	0	0	0	6,046	6,341
Feed Gas Rate	GW (HHV)		0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.046	6.341
Feed Gas Rate	GJ/year (HHV)		0	0	0	0	0	0	0	190,665,280	199,968,851
Production Factor			0%	0%	0%	0%	0%	0%	0%	100%	100%
Feed Gas Rate	GJ/year (HHV)		0	0	0	0	0	0	0	190,665,280	199,968,851
Inlet Gas Price	USD/GJ		3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Feedstock Cost	**USD/year**		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**610,128,896**	**639,900,323**
PRODUCTS											
LNG Loaded	MW (HHV)		5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750
LNG Loaded	kW (HHV)		5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584
LNG Loaded (365 days)	mmbtu/s (HHV)		5.449	5.449	5.449	5.449	5.449	5.449	5.449	5.449	5.449
LNG Loaded (365 days)	mmbtu/year (HHV)		171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046
Production days per year	days per year		0	0	0	0	0	0	0	317	334
LNG Loaded (onstream days)	mmbtu/year (HHV)		0	0	0	0	0	0	0	149,411,626	157,421,743
LNG Product Value	USD/mmbtu		11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
LNG Product Revenue	USD/year		0	0	0	0	0	0	0	1,643,527,883	1,731,639,171
LNG Product Revenue	USD/year		0	0	0	0	0	0	0	1,643,527,883	1,731,639,171
MMTPA LNG Loaded (onstream days)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.87	3.02
CO2 Emissions	MTPA		0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
CO2 Emissions (365 days)	tonne/year		903,111	903,111	903,111	903,111	903,111	903,111	903,111	903,111	903,111
Production days per year	days per year		0	0	0	0	0	0	0	317	334
CO2 Emissions (onstream days)	tonne/year		0	0	0	0	0	0	0	785,174	827,268
Carbon Pricing	USD/tonne		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carbon Tax Revenue	USD/year		0	0	0	0	0	0	0	0	0
No.of days for feed gas disposal			0	0	0	0	0	0	0	31	31
Disposal Gas Factor			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.58%	8.58%
Disposal Gas Rate	MW (HHV)		0	0	0	0	0	0	0	190	190
Disposal Gas Rate	GW (HHV)		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.190	0.190
Disposal Gas Rate	GJ/year (HHV)		0	0	0	0	0	0	0	5,994,461	5,994,461
Disposal Gas Value	USD/GJ		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Disposal Gas Revenue	USD/year		0	0	0	0	0	0	0	9,591,138	9,591,138
TOTAL DISPOSAL GAS	**MW (HHV)**		**3,802**								
Total Product Revenue	**USD/year**		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,653,119,022**	**1,741,230,310**
CAPEX											
CAPEX Expenditure Profile	%		0.0%	0.0%	0.0%	17.0%	40.0%	31.0%	12.0%	0.0%	0.0%
Total CAPEX		4,015,518,100									
CAPEX Profile		-4,015,518,100	0	0	0	-682,638,077	-1,606,207,240	-1,244,810,611	-481,862,172	0	0
OPEX - FIXED											
Salary Burden	USD		6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000
Insurance	USD		18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355
Maintenance	USD		6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214
Materials and Spares	USD		36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710
General Plant Overheads	USD		6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776
Refrigerant Import	USD		434,943	434,943	434,943	434,943	434,943	434,943	434,943	434,943	434,943
Cat & Chem	USD		818,540	818,540	818,540	818,540	818,540	818,540	818,540	818,540	818,540
Production Factor	%		0%	0%	0%	0%	0%	0%	0%	100%	100%
Total Fixed OPEX			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**76,348,538**	**76,348,538**
OPEX - VARIABLE											
Purchased Electrical Power	MW		0	0	0	0	0	0	0	0	0
Purchased Electrical Power per year	MWh		0	0	0	0	0	0	0	0	0
Production days per year	days per year		0	0	0	0	0	0	0	317	334
Purchased Power per year (onstream days)	MWh		0	0	0	0	0	0	0	0	0
Purchased Electrical Power Cost	USD/MWh		40	40	40	40	40	40	40	40	40
Purchased Power Cost peer year	USD		0	0	0	0	0	0	0	0	0
Total Variable OPEX			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Material Balance											
Feedstock	MW		0	0	0	0	0	0	0	6,046	6,341
LNG Loaded (onstream days)	mmbtu/year (HHV)		0	0	0	0	0	0	0	149,411,626	157,421,743
	MW		0	0	0	0	0	0	0	4,999	5,267
Disposal Gas	MW (HHV)		0	0	0	0	0	0	0	190	190
Fuel	MW		0	0	0	0	0	0	0	554	581
Efficiency	%		90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%
Total			0	0	0	0	0	0	0	5,743	6,038
										94.98%	95.22%

Years	10	11	12	13	14	15	16	17	18	19	20
Production Years	3	4	5	6	7	8	9	10	11	12	13
Year	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
CASH FLOW											
Gross Margin											
(Feedstock Cost - Total Product Revenue)	1,058,898,721	1,122,145,088	1,119,091,038	1,055,068,642	1,120,530,447	1,115,210,893	1,053,566,651	1,117,914,478	1,118,427,658	1,061,727,472	1,115,173,343
Capex	0	0	0	0	0	0	0	0	0	0	0
Opex - Fixed	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538
Opex - Variable	0	0	0	0	0	0	0	0	0	0	0
Net Margin	982,550,184	1,045,796,550	1,042,742,500	978,720,105	1,044,181,909	1,038,862,355	977,218,113	1,041,565,940	1,042,079,121	985,378,935	1,038,824,805
Product Storage (EXCLUDED)	0	0	0	0	0	0	0	0	0	0	0
Cash in Hand (EXCLUDED)	0	0	0	0	0	0	0	0	0	0	0
Delta WC	0	0	0	0	0	0	0	0	0	0	0
Net Cash Flow	982,550,184	1,045,796,550	1,042,742,500	978,720,105	1,044,181,909	1,038,862,355	977,218,113	1,041,565,940	1,042,079,121	985,378,935	1,038,824,805
capex @	0	0	0	0	0	0	0	0	0	0	0
opex @	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538
LCC @	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538
ONSTREAM DAYS											
Availability	88.21%	93.27%	93.02%	87.91%	93.14%	92.71%	87.79%	92.93%	92.97%	88.44%	92.71%
Onstream days per year	322	340	340	321	340	338	320	339	339	323	338
Production Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Production days per year	322	340	340	321	340	338	320	339	339	323	338
FEEDSTOCKS											
Design Feed Gas Rate	6,329	6,329	6,329	6,329	6,329	6,329	6,329	6,329	6,329	6,329	6,329
Actual Feed Gas Rate	6,126	6,446	6,431	6,107	6,438	6,411	6,099	6,425	6,427	6,141	6,411
Feed Gas Rate	6.126	6.446	6.431	6.107	6.438	6.411	6.099	6.425	6.427	6.141	6.411
Feed Gas Rate	193,202,255	203,288,276	202,801,240	192,591,465	203,030,786	202,182,466	192,351,939	202,613,612	202,695,450	193,653,361	202,176,478
Production Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Feed Gas Rate	193,202,255	203,288,276	202,801,240	192,591,465	203,030,786	202,182,466	192,351,939	202,613,612	202,695,450	193,653,361	202,176,478
Inlet Gas Price	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Feedstock Cost	**618,247,215**	**650,522,482**	**648,963,970**	**616,292,686**	**649,698,515**	**646,983,892**	**615,526,205**	**648,363,559**	**648,625,440**	**619,690,755**	**646,964,730**
PRODUCTS											
LNG Loaded	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750
LNG Loaded	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584
LNG Loaded (365 days)	5.449	5.449	5.449	5.449	5.449	5.449	5.449	5.449	5.449	5.449	5.449
LNG Loaded (365 days)	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046
Production days per year	322	340	340	321	340	338	320	339	339	323	338
LNG Loaded (onstream days)	151,595,891	160,279,676	159,860,352	151,070,017	160,057,984	159,327,604	150,863,792	159,698,809	159,769,269	151,984,281	159,322,449
LNG Product Value	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
LNG Product Revenue	1,667,554,798	1,763,076,432	1,758,463,869	1,661,770,190	1,760,637,823	1,752,603,646	1,659,501,717	1,756,686,898	1,757,461,960	1,671,827,089	1,752,546,934
LNG Product Revenue	1,667,554,798	1,763,076,432	1,758,463,869	1,661,770,190	1,760,637,823	1,752,603,646	1,659,501,717	1,756,686,898	1,757,461,960	1,671,827,089	1,752,546,934
MMTPA LNG Loaded (onstream days)	2.91	3.08	3.07	2.90	3.07	3.06	2.90	3.07	3.07	2.92	3.06
CO2 Emissions	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
CO2 Emissions (365 days)	903,111	903,111	903,111	903,111	903,111	903,111	903,111	903,111	903,111	903,111	903,111
Production days per year	322	340	340	321	340	338	320	339	339	323	338
CO2 Emissions (onstream days)	796,653	842,287	840,083	793,889	841,122	837,284	792,805	839,234	839,605	798,694	837,257
Carbon Pricing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carbon Tax Revenue	0	0	0	0	0	0	0	0	0	0	0
No.of days for feed gas disposal	31	31	31	31	31	31	31	31	31	31	31
Disposal Gas Factor	8.58%	8.58%	8.58%	8.58%	8.58%	8.58%	8.58%	8.58%	8.58%	8.58%	8.58%
Disposal Gas Rate	190	190	190	190	190	190	190	190	190	190	190
Disposal Gas Rate	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190
Disposal Gas Rate	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461
Disposal Gas Value	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Disposal Gas Revenue	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138
Total Product Revenue	**1,677,145,936**	**1,772,667,570**	**1,768,055,008**	**1,671,361,329**	**1,770,228,961**	**1,762,194,785**	**1,669,092,855**	**1,766,278,037**	**1,767,053,098**	**1,681,418,228**	**1,762,138,073**
CAPEX											
CAPEX Profile	0	0	0	0	0	0	0	0	0	0	0
OPEX - FIXED											
Salary Burden	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000
Insurance	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355
Maintenance	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214
Materials and Spares	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710
General Plant Overheads	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776
Refrigerant Import	434,943	434,943	434,943	434,943	434,943	434,943	434,943	434,943	434,943	434,943	434,943
Cat & Chem	818,540	818,540	818,540	818,540	818,540	818,540	818,540	818,540	818,540	818,540	818,540
Production Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total Fixed OPEX	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**
OPEX - VARIABLE											
Purchased Electrical Power	0	0	0	0	0	0	0	0	0	0	0
Purchased Electrical Power per year	0	0	0	0	0	0	0	0	0	0	0
Production days per year	322	340	340	321	340	338	320	339	339	323	338
Purchased Power per year (onstream days)	0	0	0	0	0	0	0	0	0	0	0
Purchased Electrical Power Cost	40	40	40	40	40	40	40	40	40	40	40
Purchased Power Cost peer year	0	0	0	0	0	0	0	0	0	0	0
Total Variable OPEX	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Material Balance											
Feedstock	6,126	6,446	6,431	6,107	6,438	6,411	6,099	6,425	6,427	6,141	6,411
LNG Loaded (onstream days)	151,595,891	160,279,676	159,860,352	151,070,017	160,057,984	159,327,604	150,863,792	159,698,809	159,769,269	151,984,281	159,322,449
	5,072	5,362	5,348	5,054	5,355	5,330	5,047	5,343	5,345	5,085	5,330
Disposal Gas	190	190	190	190	190	190	190	190	190	190	190
Fuel	561	591	589	559	590	587	559	589	589	563	587
Efficiency	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%
Total	5,823	6,143	6,128	5,804	6,135	6,108	5,796	6,122	6,124	5,837	6,108
	95.05%	95.30%	95.28%	95.03%	95.29%	95.27%	95.03%	95.28%	95.28%	95.06%	95.27%

Information sheet 12 continued

	Inputs							
	From "LCC Summary" she							
Metrics Data 2								
Inlet Gas Price	3.2							
LNG Product Value	11.0							
Disposal Gas Value	1.6							
Carbon Pricing	0.0							
Purchased Electical Power	40.0							
Generated Elctrical Revenue	16.0							
Finance Interest Rate (DCF)	11%							
Forex rate (AUD to USD)	0.80							
LCC period	20							
Years		21	22	23	24	25	26	27
Production Years		14	15	16	17	18	19	20
Year		2027	2028	2029	2030	2031	2032	2033
CASH FLOW								
Gross Margin (Feedstock Cost - Total Product Revenue)		1,125,850,001	1,059,324,286	1,118,377,592	1,114,309,698	1,058,135,209	1,120,029,783	1,095,847,717
Capex		0	0	0	0	0	0	0
Opex - Fixed		-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538
Opex - Variable		0	0	0	0	0	0	0
Net Margin		1,049,501,463	982,975,748	1,042,029,054	1,037,961,160	981,786,671	1,043,681,245	1,019,499,179
Product Storage (EXCLUDED)		0	0	0	0	0	0	0
Cash in Hand (EXCLUDED)		0	0	0	0	0	0	0
Delta WC		0	0	0	0	0	0	0
Net Cash Flow		1,049,501,463	982,975,748	1,042,029,054	1,037,961,160	981,786,671	1,043,681,245	1,019,499,179
capex @		0	0	0	0	0	0	0
opex @		-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538
LCC @		-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538	-76,348,538
NPV @	**11.0%**							
IRR								
ONSTREAM DAYS								
Availability		93.56%	88.25%	92.96%	92.64%	88.15%	93.10%	91.16%
Onstream days per year		341	322	339	338	322	340	333
Production Factor		100%	100%	100%	100%	100%	100%	100%
Production days per year		341	322	339	338	322	340	333
FEEDSTOCKS								
Design Feed Gas Rate	MW (HHV)	6,329	6,329	6,329	6,329	6,329	6,329	6,329
Actual Feed Gas Rate	MW (HHV)	6,465	6,129	6,427	6,407	6,123	6,436	6,313
Feed Gas Rate	GW (HHV)	6.465	6.129	6.427	6.407	6.123	6.436	6.313
Feed Gas Rate	GJ/year (HHV)	203,879,105	193,270,120	202,687,466	202,038,751	193,080,496	202,950,944	199,094,583
Production Factor		100%	100%	100%	100%	100%	100%	100%
Feed Gas Rate	GJ/year (HHV)	203,879,105	193,270,120	202,687,466	202,038,751	193,080,496	202,950,944	199,094,583
Inlet Gas Price	USD/GJ	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Feedstock Cost	**USD/year**	**652,413,137**	**618,464,385**	**648,599,891**	**646,524,003**	**617,857,587**	**649,443,021**	**637,102,665**
PRODUCTS								
LNG Loaded	MW (HHV)	5,750	5,750	5,750	5,750	5,750	5,750	5,750
LNG Loaded	kW (HHV)	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584	5,749,584
LNG Loaded (365 days)	mmbtu/s (HHV)	5.449	5.449	5.449	5.449	5.449	5.449	5.449
LNG Loaded (365 days)	mmbtu/year (HHV)	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046	171,854,046
Production days per year	days per year	341	322	339	338	322	340	333
LNG Loaded (onstream days)	mmbtu/year (HHV)	160,788,364	151,654,321	159,762,395	159,203,869	151,491,060	159,989,242	156,669,022
LNG Product Value	USD/mmbtu	11.0	11.0	11.0	11.0	11.0	11.0	11.0
LNG Product Revenue	USD/year	1,768,671,999	1,668,197,532	1,757,386,344	1,751,242,562	1,666,401,657	1,759,881,665	1,723,359,243
LNG Product Revenue	USD/year	1,768,671,999	1,668,197,532	1,757,386,344	1,751,242,562	1,666,401,657	1,759,881,665	1,723,359,243
MMTPA LNG Loaded (onstream days)		3.09	2.91	3.07	3.06	2.91	3.07	3.01
CO_2 Emissions	MTPA	0.90	0.90	0.90	0.90	0.90	0.90	0.90
CO_2 Emissions (365 days)	tonne/year	903,111	903,111	903,111	903,111	903,111	903,111	903,111
Production days per year	days per year	341	322	339	338	322	340	333
CO_2 Emissions (onstream days)	tonne/year	844,960	796,960	839,568	836,633	796,102	840,761	823,312
Carbon Pricing	USD/tonne	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carbon Tax Revenue	USD/year	0	0	0	0	0	0	0
No.of days for feed gas disposal		31	31	31	31	31	31	31
Disposal Gas Factor		8.58%	8.58%	8.58%	8.58%	8.58%	8.58%	8.58%
Disposal Gas Rate	MW (HHV)	190	190	190	190	190	190	190
Disposal Gas Rate	GW (HHV)	0.190	0.190	0.190	0.190	0.190	0.190	0.190
Disposal Gas Rate	GJ/year (HHV)	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461	5,994,461
Disposal Gas Value	USD/GJ	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Disposal Gas Revenue	USD/year	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138	9,591,138
TOTAL DISPOSAL GAS	**MW (HHV)**							
Total Product Revenue	**USD/year**	**1,778,263,138**	**1,677,788,670**	**1,766,977,483**	**1,760,833,701**	**1,675,992,795**	**1,769,472,803**	**1,732,950,382**
CAPEX								
CAPEX Expenditure Profile	%							
Total CAPEX	4,015,518,100							
CAPEX Profile	-4,015,518,100	0	0	0	0	0	0	0
OPEX - FIXED								
Salary Burden	USD	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000	6,720,000
Insurance	USD	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355	18,252,355
Maintenance	USD	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214	6,677,214
Materials and Spares	USD	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710	36,504,710
General Plant Overheads	USD	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776	6,940,776
Refrigerant Import	USD	434,943	434,943	434,943	434,943	434,943	434,943	434,943
Cat & Chem	USD	818,540	818,540	818,540	818,540	818,540	818,540	818,540
Production Factor	%	100%	100%	100%	100%	100%	100%	100%
Total Fixed OPEX		**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**	**76,348,538**
OPEX - VARIABLE								
Purchased Electrical Power	MW	0	0	0	0	0	0	0
Purchased Electrical Power per year	MWh	0	0	0	0	0	0	0
Production days per year	days per year	341	322	339	338	322	340	333
Purchased Power per year (onstream days)	MWh	0	0	0	0	0	0	0
Purchased Electrical Power Cost	USD/MWh	40	40	40	40	40	40	40
Purchased Power Cost peer year	USD	0	0	0	0	0	0	0
Total Variable OPEX		**0**	**0**	**0**	**0**	**0**	**0**	**0**
Material Balance								
Feedstock	MW	6,465	6,129	6,427	6,407	6,123	6,436	6,313
LNG Loaded (onstream days)	mmbtu/year (HHV)	160,788,364	151,654,321	159,762,395	159,203,869	151,491,060	159,989,242	156,669,022
	MW	5,379	5,074	5,345	5,326	5,068	5,353	5,242
Disposal Gas	MW (HHV)	190	190	190	190	190	190	190
Fuel	MW	592	561	589	587	561	590	578
Efficiency	%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%	90.84%
Total		6,162	5,825	6,124	6,103	5,819	6,132	6,010
		95.31%	95.05%	95.28%	95.27%	95.05%	95.29%	95.20%