



Warren & Selbert

Simple as ABC.

ABC Excel Tool

Run an ABC file using an Excel spreadsheet

From within an Excel spreadsheet, send inputs to ABC for optimization and receive outputs back from ABC.

Features

- Run ABC using Excel
- Faster case scenario runs
- Easy-to-use interface
- Customized ABC inputs and outputs

Excel Inputs to ABC

	A	B	C
1	Warren & Selbert		
2	Complex leases, simple as ABC.		
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10	API Inputs		
11	General		
12	Total Cost	1,000,000.00	
13	BT	1/1/2018	
14	Lease Term	20	
15	Solar Assumptions		
16	Prepayment Limit	20%	
17	Rent Coverage	1.20	
18	Optimization		
19	Objective	min prepayment	
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ABC Outputs to Excel

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16	Prepayment Limit	20%	
17	Rent Coverage	1.20	
18	Optimization		
19	Objective	min prepayment	
20	Results		
21	Annual Cash Rent		
22	12/30/2018	\$43,750.00	
23	12/30/2019	\$47,083.33	
24	12/30/2020	\$50,416.67	
25	12/30/2021	\$53,750.00	
26	12/30/2022	\$57,083.33	
27	12/30/2023	\$60,416.67	
28	12/30/2024	\$63,750.00	
29	12/30/2025	\$67,083.33	
30	12/30/2026	\$70,416.67	
31	12/30/2027	\$73,750.00	
32	12/30/2028	\$77,083.33	
33	12/30/2029	\$80,416.67	
34	12/30/2030	\$83,750.00	
35	12/30/2031	\$87,083.33	
36	12/30/2032	\$90,416.67	
37	12/30/2033	\$93,750.00	
38	12/30/2034	\$97,083.33	
39	12/30/2035	\$100,416.67	
40	12/30/2036	\$103,750.00	
41	12/30/2037	\$26,458.33	
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Custom Excel Tool Models

Examples below show that the ABC Excel Tool can be customized

API Inputs	
General	
Filename	excel/pship_excel
Total Cost	1,000,000.00
Base Term Start Date	1/30/2018
Partnership Assumptions	
Tax Flip Date	1/30/2028
Investor Equity Split	75%

	Funding	Tax Flip	Full Term
	1/ 1/2018	1/30/2027 (9.08 yrs)	12/30/2038 (21 yrs)
Project			
Pre-Tax XIRR		1.63113%	13.32378%
Pre-Tax XIRR (w/Credit)		9.67478%	18.96834%
After-Tax XIRR		9.33325%	17.10951%
Investor			
Pre-Tax XIRR		1.63113%	3.72905%
Pre-Tax XIRR (w/Credit)		13.50034%	14.54229%
After-Tax XIRR		12.65465%	13.60480%
After-Tax XIRR Average Life			3.81 yrs
Sponsor			
Pre-Tax XIRR		1.63113%	21.95627%
Pre-Tax XIRR (w/Credit)		1.88000%	22.12128%
After-Tax XIRR		1.56806%	19.09610%
After-Tax XIRR Average Life			35.24 yrs
Investor%/Sponsor%			
Equity	75.00%/ 25.00%		
Credit	99.00%/ 1.00%		
Pre-Tax Cash		75.00%/ 25.00%	5.00%/ 95.00%
Taxable Income		99.00%/ 1.00%	5.00%/ 95.00%

Run a partnership flip and get PSHIP results from within Excel.

API Inputs	
General	
Filename	wind_proforma
Proforma Items	
Production Degradation Rate (%)	1%
PPA Price (\$/kWh)	0.12
PPA Escalation Rate (%)	2%
PTC Price (\$/kWh)	0.023

Dates	PPA Revenue	PTCs
12/30/2018	\$162,511.50	\$31,148.04
12/30/2019	\$181,246.73	\$34,057.80
12/30/2020	\$183,022.94	\$33,717.22
12/30/2021	\$184,816.57	\$33,380.05
12/30/2022	\$186,627.77	\$33,046.25
12/30/2023	\$188,456.72	\$32,715.79
12/30/2024	\$190,303.60	\$32,388.63
12/30/2025	\$192,168.57	\$32,064.74
12/30/2026	\$194,051.83	\$31,744.10
12/30/2027	\$195,953.53	\$31,426.65
12/30/2028	\$197,873.88	\$6,351.34
12/30/2029	\$199,813.04	\$0.00
12/30/2030	\$201,771.21	\$0.00
12/30/2031	\$203,748.57	\$0.00
12/30/2032	\$205,745.30	\$0.00
12/30/2033	\$207,761.61	\$0.00
12/30/2034	\$209,797.67	\$0.00
12/30/2035	\$211,853.69	\$0.00
12/30/2036	\$213,929.86	\$0.00
12/30/2037	\$216,026.37	\$0.00
12/30/2038	\$20,632.36	\$0.00

Run a proforma model with custom inputs and outputs from within Excel.