

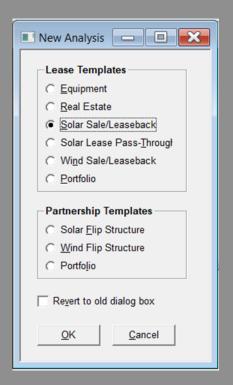
Solar Lease Pass-Through in ABC

Warren & Selbert's Lease Pass-Through (Inverted Lease) model

What is ABC?



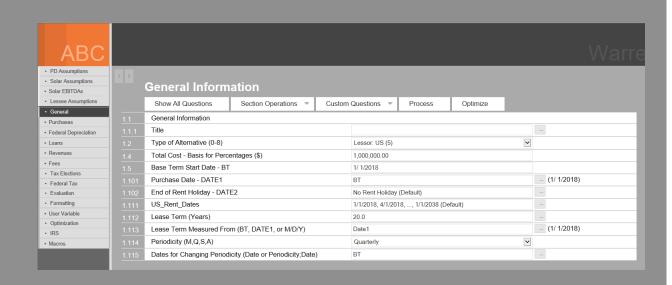
- Equipment finance modeling software
- Used for optimizing and pricing
 - Leveraged Leases
 - Sale/Leasebacks
 - Lease Pass-Throughs
 - Partnership flips
- Lease Pass-Through
 - Sale/Leaseback model built on ABC
 - Commonly used in renewable energy finance and project finance



Lease Pass-Through Uses



- Structure solar and lease pass-through transactions
- FAS 13 reports
- Lease portfolios
- Evaluate Lessee and Lessor cash and tax flows

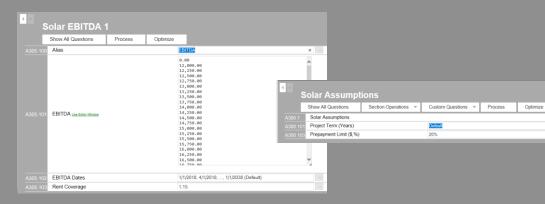


Lease Pass-Through Workflow



Input

assumptions



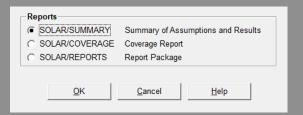
Run

to evaluate inputs



Output

reports to show results



Cash and Tax Sections



Input project flows

- Purchases
- Depreciation
- Loans
- Revenues
- Expenses
- Fees
- Paste amounts from Excel

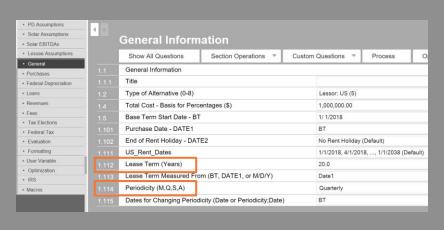


Assumptions Sections



- Input Solar Assumptions
 - Project Term
 - Prepayment Mode
 - Prepayment Limit/Credit Price
- Input General Lease Assumptions
 - Lease Term
 - Periodicity





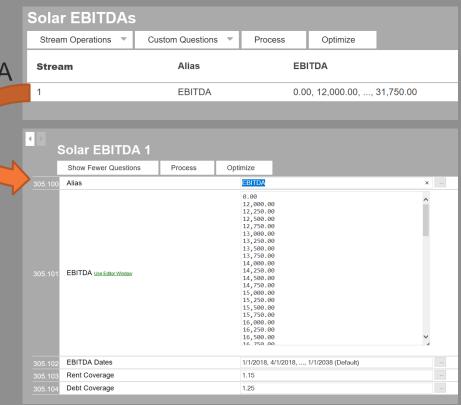
EBITDA Section



Add and manage project EBITDA

Set each EBITDA's:

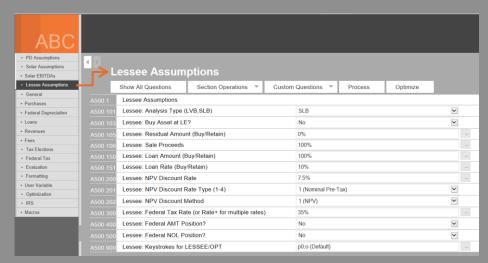
- Amounts
- Dates
- Rent Coverage
- Debt Coverage



Lessee Assumptions



- Model the cash and tax flows for the lessee
- Calculate/Target IRR for the lessee
- Specify lessee optimization objective (e.g., do opt/maxcost)



467 Loan Structure



- ABC models a 467 LoanStructure
- Tracks the cumulative difference between cash rent and allocated rent
- Proof report of allocated rent and interest

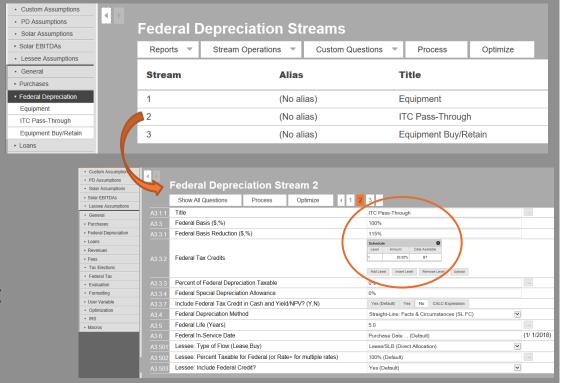
Allocated Rent and Interest Proof Report

[1]	[2]	[3]	=[3]-[4]	[5]	[6]	=[3]+[7]
Year	Cash Rent	Allocated Rent	(Prepaid)/ Deferred Rent	Allocated Interest @ 5%	(Prepaid)/ Deferred Balance	Allocated Rent and Interest
2018	55,678.67	65,954.23	10,275.56	0.00	10,275.56	65,954.23
2019	45,652.17	65,954.23	20,302.05	513.78	31,091.39	66,468.01
2020	49,130.43	65,954.23	16,823.79	1,554.57	49,469.76	67,508.80
2021	52,608.70	65,954.23	13,345.53	2,473.49	65,288.78	68,427.72
2022	56,086.96	65,954.23	9,867.27	3,264.44	78,420.49	69,218.67
2023	59,565.22	65,954.23	6,389.01	3,921.02	88,730.52	69,875.25
2024	63,043.48	65,954.23	2,910.75	4,436.53	96,077.80	70,390.75
2025	66,521.74	65,954.23	-567.51	4,803.89	100,314.18	70,758.12
2026	70,000.00	65,954.23	-4,045.77	5,015.71	101,284.12	70,969.94
2027	73,478.26	65,954.23	-7,524.03	5,064.21	98,824.29	71,018.43
2028	76,956.52	80,610.72	3,654.20	4,941.21	107,419.71	85,551.94
2029	80,434.78	80,610.72	175.94	5,370.99	112,966.63	85,981.71
2030	83,913.04	80,610.72	-3,302.32	5,648.33	115,312.65	86,259.06
2031	87,391.30	80,610.72	-6,780.58	5,765.63	114,297.70	86,376.36
2032	90,869.57	80,610.72	-10,258.84	5,714.88	109,753.74	86,325.61
2033	94,347.83	80,610.72	-13,737.10	5,487.69	101,504.33	86,098.41
2034	97,826.09	80,610.72	-17,215.36	5,075.22	89,364.18	85,685.94
2035	101,304.35	80,610.72	-20,693.62	4,468.21	73,138.76	85,078.93
2036	104,782.61	80,610.72	-24,171.89	3,656.94	52,623.82	84,267.66
2037	108,260.87	80,610.72	-27,650.15	2,631.19	27,604.86	83,241.91
2038_	27,608.70	0.00	-27,608.70	3.83	0.00_	3.83
	1,545,461.28	1,465,649.52	-79,811.75	79,811.75		1,545,461.28

Special Depreciation Streams



- Asset Depreciation for the lessor
- Phantom income for the lessee
 - Equal to ITC over the owner's depreciable life
- Phantom depreciation if the asset were to be bought or retained



Run

Optimization



- Run ABC using linear optimization
- Choose an Objective such as:
 - Min PV
 - Min Cash Rent
 - Max Yield
 - CALC Expression (Custom Objective e.g., Min Prepayment)
- Input Constraints in order to...
 - Maintain coverage ratios
 - Limit the prepayment
 - Meet lessee requirements





Output

Reports



- ABC offers a number of reports including:
 - Yield Proof
 - Cash Detail
 - Tax Detail
 - FAS 13 Accounting
 - Termination Values
- Create **custom** reports
- View reports within ABC
- Save reports as an Excel or PDF file

Report List		X					
Find Report Containing text: In category:	Search All Categories Reset	OK Cancel Help					
Reports available:							
Report	Description	Add					
1 2	Summary Report Yield Proof	Report Help					
3 4	Statement of Cash Flow Statement of State Tax Liability	Print List					
5	Statement of Federal Tax Liability	FillitList					
6 7	IRS Tests (Revenue Procedure 75-28 or Sec FAS 13 Accounting						
8	FAS Classification Test						
9	Termination or Stipulated Loss						
<	>						
Reports selected:		Alternative:					
		Clear All					
		Add to Menu					
Send selected reports directly to printer							

Output

Report Samples



FAS 13 Accounting Report



Detailed Statement of Cash Flow

Period Ending	Purchase 1	Residual	Lessor EBITDA	Dont	Total Pre-Tax Cash Flow	Federal Tax	After-Tax Cash Flow
				Rent			
Dec 30 2018	-1,000,000.00	0.00	0.00	391,956.52	-608,043.48	148,103.34	-459,940.14
Dec 30 2019	0.00	0.00	0.00	45,652.17	45,652.17	38,467.75	84,119.92
Dec 30 2020	0.00	0.00	0.00	49,130.43	49,130.43	10,950.05	60,080.48
Dec 30 2021	0.00	0.00	0.00	52,608.70	52,608.70	-5,786.67	46,822.03
Dec 30 2022	0.00	0.00	0.00	56,086.96	56,086.96	-13,897.54	42,189.42
Dec 30 2023	0.00	0.00	0.00	59,565.22	59,565.22	-26,916,49	32,648.73
Dec 30 2024	0.00	0.00	0.00	63,043.48	63,043.48	-39,920.73	23,122.75
Dec 30 2025	0.00	0.00	0.00	66,521.74	66,521.74	-40,813.50	25,708.24
Dec 30 2026	0.00	0.00	60,750.00	14,904.79	75,654.79	-21,263.22	54,391.56
Dec 30 2027	0.00	0.00	84,500.00	0.00	84,500.00	-29,575.00	54,925.00
Dec 30 2028	0.00	0.00	88,500.00	0.00	88,500.00	-30,975.00	57,525.00
Dec 30 2029	0.00	0.00	92,500.00	0.00	92,500.00	-32,375.00	60,125.00
Dec 30 2030	0.00	0.00	96,500.00	0.00	96,500.00	-33,775.00	62,725.00
Dec 30 2031	0.00	0.00	100,500.00	0.00	100,500.00	-35,175.00	65,325.00
Dec 30 2032	0.00	0.00	104,500.00	0.00	104,500.00	-36,575.00	67,925.00
Dec 30 2033	0.00	0.00	108,500.00	0.00	108,500.00	-37,975.00	70,525.00
Dec 30 2034	0.00	0.00	112,500.00	0.00	112,500.00	-39,375.00	73,125.00
Dec 30 2035	0.00	0.00	116,500.00	0.00	116,500.00	-40,775.00	75,725.00
Dec 30 2036	0.00	0.00	120,500.00	0.00	120,500.00	-42,175.00	78,325.00
Dec 30 2037	0.00	0.00	124,500.00	0.00	124,500.00	-43,575.00	80,925.00
Dec 30 2038	0.00	100,000.00	31,750.00	0.00	131,750.00	-46,112.50	85,637.50
Dec 30 2039	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200 30 2003_	-1,000,000.00	100,000.00	1,242,000.00	799,470.01	1,141,470.01	-399,514.50	741,955.50

Statements of Earnings in Accordance with FASB Accounting Standard No. 13 with 0 Days of Income Allocated to the First Month

Year Ending	Lessor's Net Investment At End of Year	Total Cash Flow	Pre-Tax Cash Flow Allocated to Investment	Pre-Tax Income Allocated @ 9.49812%	Pre-Tax Income w/o IDC	Amortized IDC	Tax Effect of Pre-Tax Income	Investment Tax Credit	After-Tax Income
Dec 2018	664,744	-608,043	-24,744	56,700	56,700	0	-19,845	0	36,855
Dec 2019	682,662	45,652	-17,918	63,570	63,570	0	-22,250	0	41,321
Dec 2020	698,696	49,130	-16,034	65,164	65,164	0	-22,807	0	42,357
Dec 2021	712,658	52,609	-13,962	66,571	66,571	0	-23,300	0	43,271
Dec 2022	724,343	56,087	-11,685	67,772	67,772	0	-23,720	0	44,052
Dec 2023	733,526	59,565	-9,182	68,748	68,748	0	-24,062	0	44,686
Dec 2024	739,957	63,043	-6,431	69,475	69,475	0	-24,316	0	45,158
Dec 2025	743,364	66,522	-3,407	69,929	69,929	0	-24,475	0	45,454
Dec 2026	737,678	75,655	5,685	69,969	69,969	0	-24,489	0	45,480
Dec 2027	721,933	84,500	15,745	68,755	68,755	0	-24,064	0	44,690
Dec 2028	700,413	88,500	21,520	66,980	66,980	0	-23,443	0	43,537
Dec 2029	672,546	92,500	27,867	64,633	64,633	0	-22,622	0	42,012
Dec 2030	637,703	96,500	34,844	61,656	61,656	0	-21,580	0	40,077
Dec 2031	595,190	100,500	42,513	57,987	57,987	0	-20,295	0	37,692
Dec 2032	544,246	104,500	50,943	53,557	53,557	0	-18,745	0	34,812
Dec 2033	484,036	108,500	60,210	48,290	48,290	0	-16,902	0	31,389
Dec 2034	413,640	112,500	70,396	42,104	42,104	0	-14,736	0	27,367
Dec 2035	332,047	116,500	81,593	34,907	34,907	0	-12,217	0	22,689
Dec 2036	238,146	120,500	93,901	26,599	26,599	0	-9,310	0	17,289
Dec 2037	130,715	124,500	107,431	17,069	17,069	0	-5,974	0	11,095
Dec 2038	0	131,750	130,715	1,035	1,035	0	-362	0	673
Totals		1,141,470	640,000	1,141,470	1,141,470	0	-399,515	0	741,956

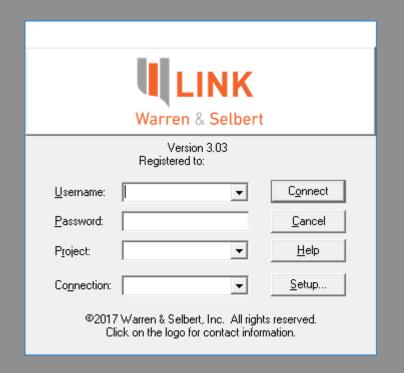


Cash Detail Report

Technical Details and Support



- ABC runs on Warren & Selbert'sservers in Santa Barbara
- Connect using LINK software
- Secure connection
- Comprehensive, swift, unmetered support
- Experienced and knowledgeable staff





Thank You

For any questions or comments, please do not hesitate to contact us

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Website: http://www.warren-selbert.com/