

Investment Grade Solar System Feasibility

—Underwriting, Production, and Presentation of Investment Grade Studies.

Course Syllabus

Instructor: Ted Horton: e: ted@norcalpv.com
 c: +1-415-999-8558

Text

Planning and Installing Photovoltaic Systems, Second Edition ISBN-13: 978-1-84407-442-6
[Available on Amazon](#) for \$131.40.

Online Repository

<http://groups.google.com/group/investment-solar-ucbx-spring-2009>

Course Executive Summary

This course is designed to help industry practitioners make better investment decisions on commercial solar projects. It covers the current range of financial, technical, permitting, marketing and sales and capitalizing commercial solar systems in the western United States. Planned, capitalized and operated correctly, solar can be a key component of value for a company, for a real estate project, and for the places we leave behind.

The capstone of this course is the presentation by a team of students of an investment grade solar feasibility study.

Saturday 21MAR09 9A—>>**Getting Up to Speed**

<i>when</i>	<i>what</i>	<i>Support Media</i>
9A	Welcome, Introductions, Ground Rules	Solar Intro.ppt
10A	Course Roadmap — Expectations Resources Learning method	Roadmap.ppt
11A	How We Got Here Grid energy Prices AB 32 Government Mandates and Incentives PV is a Global Market The Math Behind Renewables	Solar_roadmap.ppt
12N	<i>Lunch break</i>	
1P	Walkthrough of Moscone Center Solar Array	TBD
2P	Solar Resource, radiation data, radiation calculations	resource.ppt

INVESTMENT GRADE SOLAR SYSTEM FEASIBILITY

3P	Current Market Demand	demand.ppt
4P	Putting a Deal Together	structure.ppt
445P	Love It/Fix It	

Tuesday 24MAR09 630P—>>**Burn Some Daylight**

<i>when</i>	<i>what</i>	<i>Support Media</i>
630P	Expectations	Burn Intro.ppt
640P	Instant Feasibility Techniques Harvestable Area Energy Productivity—Net Metering--Loads Capitalization	Instant_feas.ppt
740P	Crafting the Feasibility Checklist	checklist.pdf
830P	Walkthrough Solar Feasibility Report	SolarFeasRpt.pdf
925P	Love It/Fix It, next week	

Tuesday 31MAR09 630P—>>**Capitalization**

<i>when</i>	<i>what</i>	<i>Support Media</i>
630P	Expectations	Cap Intro.ppt
640P	Tax Benefits and Capitalization Stephen Tracy, CPA, Partner Novogradac & Co.	
730P	Components of Value Federal State Local Utility SREC's & Carbon Credits Residual Value	Value.ppt Cashflow.xls
830P	PPA's and Leases Deal Structure Points Feed In Tariffs Monetizing Depreciation	Sample LOI Sample ppa
925P	Love It/Fix It, next week	

Tuesday 07APR09 630P—>>**Harvesting and System Design**

<i>when</i>	<i>what</i>	<i>Support Media</i>
630P	Expectations	Solar Intro.ppt
640P	System component Overview, System Performance	

	guest lecturer, Tobin Booth, PE, Blue Oak Energy.	
740P	Design Criteria and performance design optimization	Design.ppt
840P		
925P	Love It/Fix It, next week	

Tuesday 14APR09 630P—>>**Host Customer Recruitment**

<i>when</i>	<i>what</i>	<i>Support Media</i>
630P	Expectations	Host Intro.ppt
640P	Creating Demand Pull for Solar. Four Pillars of Solar Marketing The Marketing Cycle PV as Branding Tool	
740P	The Publication Pyramid— Underwriting as a Sales Tool	
830P	Closing the Host Customer	
925PP	Love It/Fix It, next week	

Tuesday 21APR09 630P—>>**Put It All Together**

<i>when</i>	<i>what</i>	<i>Support Media</i>
630P	Expectations	Project Intro.ppt
640P	Elements of the Feasibility Report Pre Site Inspection Site Inspection Required Documents Analysis Financial modeling	Site.ppt
730P	Case Study—deconstructing feasibility reports—the Good, the Bad, the Ugly	CaseStudy1.pdf CaseStudy2.pdf CaseStudy3.pdf
830P	Tips on Great Presentations	Tips.ppt
925P	Love It/Fix It	

Presentation Submittal:

All presentations are required to be emailed in .pdf format to the Instructor no later than 5P Pacific Daylight Time, Friday 1MAY08. Presentations emailed after this time will not be accepted for presentation.

Saturday 2MAY09 9A-5P— Saturday >> **Presentations**

<i>when</i>	<i>what</i>	<i>Support Media</i>
9A	Welcome, Introductions, Ground Rules	Presentation Intro.ppt
10A	Team 1	
1030A	Team 2	
11A	Team 3	
1130A	Team 4	
12N	<i>Lunch break</i>	
1P	Team 5	
130P	Team 6	
2P	Team 7	
230P	Team 8	
3P	Team 9	
330P	Team 10	
4P	Wrap Up – Next Steps The ITC as Key Policy Driver Where Do All the Modules Go? Life in a Distributed, Variable Generation World	Future.ppt
445P	Course Evaluations Completed.	