

Introduction to Solar For Residential and Commercial Time Outline

4-Hour Elective Course

Hour 1 - Objective How Does Solar Work

Time	Topic	Subtopic	Reference Material
5 Min	Welcome	Procedures	Pages 2-4
		Announcements	
		Facilities	
		Course Objectives	
		Instructor bio	
20 Minutes	How Solar Works	Objectives	Pages 5-10
		Residential	
		Commercial	
		Types of Solar Construction	
25 Minutes	General Financials	Federal Incentives	Pages 11-14
		State Incentives	
		Utility Incentives	
		Utility Bill Savings	
		Net Metering	
		Buy All Sell All	
10 Minutes	Break		

Hour 2 - Solar Design Considerations

Time	Topic	Subtopic	Reference Material
20 Min	Solar Production	Kw,Kwh Definitions	16-22
		Azimuth	
		Tilt	
		Obstructions	
30 Minutes	AHJ Considerations	Residential Code	23-33
		Commercial Code	
		Obstructions	
		Utility Limits	
10 Minutes	Break		

### Hour 3 - Permitting and Utility Interconnection

Time	Topic	Subtopic	Reference Material
15 Minutes	Permitting		35-36
15 Minutes	Utility Interconnection		37-39
10 Minutes	Full permitting/Interconnect Steps		40
10 Minutes	Electrical Interconnection		41
10 Minutes	Break		

### Hour 4 - Case Studies and Public Resources

Time	Topic	Subtopic	Slides (if applicable)
15 Minutes	Utility Bill Explanation		43-45
10 Minutes	Case Studies		46-51
5 Minutes	Publicly Available Resources	Solar Calculator	52-54
		Google Sunroof	
		Google Maps	
10 Minutes	EXERCISE: Applying the public resources		55
10 Minutes	Wrap-up/QA		56
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**Total Instructional Minutes = 200 Minutes**