

Serial	Time	Topic	Notes
1	0830-0845	Introductions, Mitsubishi corporate overview, Course outline and objectives	Mitsubishi history, primary markets, yearly revenue, PV division size, PV division history, install examples
2	0845-0900	Solar electricity history, environmental benefits	
3	0900-0915	Solar in Ontario, The Green Energy Act, financial benefits	
4	0915-0950	Solar electricity system overview, electrical concepts	Solar path, sun hours, irradiance,
5	0950-1000	BREAK	
6	1000-1040	Module types and characteristics, connections, warranties	
7	1040-1110	Inverter types and characteristics, warranties, monitoring	MPPT, anti-islanding, extended warranties
8	1110-1120	BREAK	
9	1120-1200	Balance of system components	Combiners, DC disconnect, AC disconnect, wiring, grounds, meters
10	1200-1230	LUNCH	
11	1230-1330	Wiring Exercise	Panels installed in training room, wire balance of system, conduit and TECK
12	1330-1340	BREAK	
13	1340-1420	The Site Survey, initial online, subsequent at site	Include the use of the solar pathfinder at a minimum, and PV Watts. Include the roof space requirements, system orientation and tilt, shading, obstacles, wiring, etc, stress sun between 0900 and 1500.
14	1420-1430	BREAK	
15	1430-1520	Site Survey Exercise	
16	1520-1530	BREAK	
17	1530-1615	Managing expectations – system derates and actual output	
18	1615-1630	Q & A	
END DAY 1			

DAY 2			
Serial	Time	Topic	misc
19	0800-0850	String sizing	Electrical limits (480V), inverter limits, wiring
20	0850-0900	BREAK	
21	0900-0930	Mounting types and characteristics, flashing, roof anchoring	Landscape, portrait, etc
22	0930-0950	Unirac residential roof mounts	
23	0950-1000	BREAK	
24	1000-1030	Tilt pitch reference, installer safety, installer toolkit	
25	1030-1200	Install exercise	Mounts and wiring
26	1200-1230	LUNCH	
27	1230-1250	OPA application process	
28	1250-1330	Municipality, LDC and ESA requirements	ESA handout
29	1330-1340	BREAK	
30	1340-1400	System commissioning, customer package	
31	1400-1415	Review	
32	1415-1445	test	
33	1445-1500	Break	
34	1500-1600	Mitsubishi marketing material, competitive advantages, pricing, complete system packages, support contacts, billing, etc	