FIELD LEVEL HAZARD ASSESSMENT (FLHA)

Business name

Document: FLHA-001 Rev 1
Assessed: 2026-11-09 17:46
Valid for this shift / task only
Highest risk after controls: Medium

1. BUSINESS AND JOB DETAILS

Job	Solar panel cleaning	**Start date**	Nov 9, 2026
Working hours	7:00 am to 3:30 pm	**Trade**	Solar

2. JOB STEPS, HAZARDS AND CONTROLS

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
1	Set up roof access and edge protection or harness	Falling from a roof edge Falling from a ladder Rules: Provincial OHS regulation, fall protection	**Critical Likely / Fatality**	1.1 Do what you can from the ground or from a scaffold at the gutter line, for example pre-assemble parts on the ground. [Elimination] 1.2 Install edge protection or guardrails on all open roof edges before work starts. [Engineering (guarding)] 1.3 Use a perimeter scaffold with handrails and toe boards along the eaves where practical. [Engineering] 1.4 Where guardrails cannot be fitted, use fall restraint on certified roof anchors so workers cannot reach the edge. [Engineering] 1.5 Use one safe, controlled access point and keep others off the roof. [Administrative] 1.6 Stop roof work in strong wind or rain, and when the roof is wet, icy or covered in dust or frost. [Administrative] 1.7 Wear a harness clipped to a rated anchor when using restraint or fall arrest, and soft-soled non-slip boots. [PPE] 1.8 Use a platform ladder, mobile scaffold or aerial work platform for longer jobs instead of a straight ladder. [Substitution] 1.9 Use CSA Grade 1, 1A or 1AA ladders in good condition. Remove any damaged ladder from site. [Engineering] 1.10 Set extension ladders at a 4 to 1 angle on firm, level ground, tied or footed, and reaching 1 metre above the landing. [Engineering] 1.11 Use ladders only for short, light work. Do not carry heavy or awkward loads up a ladder. [Administrative] 1.12 Keep three points of contact and your belt buckle between the side rails. Do not overreach. [Administrative] 1.13 Do not stand on the top three rungs of an extension ladder or the top step of a stepladder. [Administrative] 1.14 Check the ladder before each use: feet, rungs, side rails and locks. [Administrative] 1.15 Wear non-slip safety boots with clean soles. [PPE]	**Medium Unlikely / Serious injury**	Site supervisor
2	Never stand on panels and	Slips and trips	**High**	2.1 Plan walkways and keep them clear of materials, hoses	**Medium**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
	watch for wet slippery surfaces	Glass handling and breakage	**Possible / Serious injury**	and leads. [Elimination] 2.2 Run leads and hoses overhead on hooks or stands, or along walls, not across walkways. [Engineering] 2.3 Fill or cover holes, and lay boards or mats on muddy access paths. [Engineering] 2.4 Clean up offcuts, packaging and spills as you go, not at the end of the day. [Administrative] 2.5 Keep work areas, stairs and access paths well lit. [Administrative] 2.6 Wear safety boots with good grip, laced up. [PPE] 2.7 Use suction lifters, glass trolleys or a glazing robot for large panes. [Engineering] 2.8 Store glass upright on racks and secure it. Never lay it flat or lean it loosely. [Engineering] 2.9 Use two or more people for large panes, and clear the carry route first. [Administrative] 2.10 Mark new glass with tape or stickers so nobody walks into it. [Administrative] 2.11 Clean up broken glass straight away into a marked container. [Administrative] 2.12 Wear cut-resistant gloves, arm guards, safety glasses and safety boots. [PPE]	**Unlikely / Serious injury**	
3	Check for damaged panels or cables before cleaning	Electric shock from live wiring Rules: Provincial OHS regulation, electrical safety, and CSA Z462	**Critical Possible / Fatality**	3.1 Isolate the power before any work. Do not work live. [Elimination] 3.2 Lock out and tag the isolation point with your own personal lock and danger tag. [Engineering (guarding)] 3.3 Test before you touch: prove dead at the point of work with a tested voltage tester. [Engineering] 3.4 Only licensed electricians do electrical work, to the Canadian Electrical Code and provincial rules. [Administrative] 3.5 Check for back feeds from solar, batteries and generators that can keep a circuit live after the main switch is off. [Administrative] 3.6 If energized work cannot be avoided, use a permit, a safety observer and insulated tools, following CSA Z462. [Administrative] 3.7 Wear insulated gloves, arc-rated clothing and a face shield when testing or working near live parts. [PPE]	**Medium Rare / Fatality**	Site supervisor
4	Clean with low pressure water and soft brushes	High pressure water jetting Electric shock from live wiring Rules: Provincial OHS regulation, electrical safety, and CSA Z462	**Critical Possible / Fatality**	4.1 Set an exclusion zone around the jetting area. [Engineering (guarding)] 4.2 Use a dead man's trigger that stops the jet when released, and check hoses and fittings before use. [Engineering] 4.3 Only trained operators use high pressure jetting gear. [Administrative] 4.4 Never point the lance at anyone or put a hand in front of it. [Administrative]	**Medium Rare / Fatality**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				4.5 Treat any jetting injury as serious and go to hospital, even if it looks small. [Administrative] 4.6 Wear a face shield, waterproof clothing, gloves, hearing protection and safety boots. [PPE] 4.7 Electric shock from live wiring: see step 3 for the full controls [Administrative]		
5	Watch for birds, nests and wasps under panels	Bites and stings	**Medium Possible / Lost time injury**	5.1 Check work areas before starting, and get pest control to remove nests. [Elimination] 5.2 Look before you reach into dark spaces. [Administrative] 5.3 Ask owners to keep pets away from the work area. [Administrative] 5.4 Know who has allergies and keep their medication, such as an epinephrine auto-injector, close by. [Administrative] 5.5 Wear gloves, long sleeves and boots. Use insect repellent outdoors. [PPE]	**Medium Unlikely / Lost time injury**	Site supervisor
6	Clean up and remove access	Heat stress Poor housekeeping and waste	**High Possible / Serious injury**	6.1 Schedule heavy work for the cooler part of the day. [Elimination] 6.2 Provide shade over work and rest areas, and fans or cooling in attics. [Engineering] 6.3 Supply cool drinking water close by and drink a cup every 15 to 20 minutes. [Administrative] 6.4 Take regular rest breaks in the shade, more often as it gets hotter. [Administrative] 6.5 Let new and returning workers build up to full work in the heat over about a week. [Administrative] 6.6 Watch each other for dizziness, headache, confusion or stopping sweating. Stop work, cool down and get help. [Administrative] 6.7 Have a hot weather plan, including when work stops. [Administrative] 6.8 Wear light, loose, long-sleeved clothing, a hat or brim, and sunscreen. [PPE] 6.9 Order materials to size and send packaging back where you can. [Elimination] 6.10 Put waste bins and chutes close to the work. [Engineering] 6.11 Clean as you go, and do a full clean up at the end of each day. [Administrative] 6.12 Keep exits, stairs and walkways clear at all times. [Administrative] 6.13 Stack materials neatly on level ground, away from edges. [Administrative] 6.14 Wear gloves when handling waste. [PPE]	**Medium Unlikely / Serious injury**	Site supervisor

Risk key: risk = likelihood x consequence on a 5 x 5 matrix. Low, Medium, High, Critical. Work must not start while the risk after controls is high or above. Controls are listed in order of the hierarchy of controls: Elimination, Substitution, Engineering (guarding), Engineering, Administrative, PPE.

3. PPE AND PERMITS

Required PPE	Permits and plans
CSA green triangle safety boots (CSA Z195) Full body harness (fall arrest) Work gloves Sun protection (sunscreen, hat, long sleeves) Hard hat (CSA Z94.1) Cut-resistant gloves Safety glasses (CSA Z94.3) Rubber insulating gloves Arc flash PPE (CSA Z462) Face shield Coveralls Hearing protection	Roof access permit Fall protection plan Lockout permit

4. PLANT AND EQUIPMENT

Plant / equipment	Licence or training needed	Inspection needed	Rego / ID	Last inspected	Certificate / report
Extension ladder					
Pressure washer					
Hand tools					

5. CREW COMPETENCY, TICKETS AND LICENCES

Crew listed at sign-on below, with ticket and licence numbers.

6. EMERGENCY ARRANGEMENTS

Emergency number	911	**First aid kit**	In the work vehicle
Fire extinguisher	In the work vehicle	**Alarm and evacuation**	Shout for help and stop work. Make the area safe and go to the assembly point. Call the emergency number and send someone to meet the ambulance.
Reporting incidents	Report serious incidents to the provincial regulator as required.		

7. MONITORING, REVIEW AND LEGAL BASIS

The supervisor and crew review this assessment at the start of the shift, whenever the task, crew or conditions change, and before any new work process starts. Re-assess and initial the changes below.

Legal basis: Provincial occupational health and safety law (e.g. Ontario OHSA and O. Reg. 213/91, BC OHS Regulation, Alberta OHS Code). Employers must identify hazards before work starts and control them, and workers must be told about them. A field level hazard assessment is done on site, at the start of each shift or task, and reviewed again when conditions change.

Keep completed hazard assessments for at least 3 years (COR auditors sample the last 12 months). Review this FLHA and re-sign whenever the task, crew or conditions change.

8. PRE-JOB CHECKS

Check	Yes	No
PPE inspected and in good condition		
Tools and equipment inspected		
Permits reviewed and posted		
Locates valid and on site (if digging)		
Barricades or warning ribbon in place		
Muster point and emergency plan reviewed with the crew		
SDS available for products used		
Working alone check-in set up (if anyone works alone)		

9. RE-ASSESSMENT WHEN CONDITIONS CHANGE

Time	What changed	New hazards	Controls	Initials

10. END OF SHIFT REVIEW

Completed at		**Reviewed by**	
Area cleaned up and safe		**Permits closed**	
Incidents or near misses		**Hazards remaining**	

11. REVISION HISTORY

Rev	Date	By	What changed
1	Nov 9, 2026		First issue

Rev	Date	By	What changed

12. SIGN-OFF

	Name	Signature	Date	
Prepared by				
Supervisor				
Prime contractor review				Accepted for use: Yes / No

By signing below, each worker confirms they took part in this hazard assessment, it was reviewed with them before work started, and they will follow it. Stop and re-assess if anything changes.

Name	Role / company	Tickets / licences	Signature	Date

Name	Role / company	Tickets / licences	Signature	Date