

# SAFETY TALK ELECTRICAL SAFETY

When working with or around electricity, it is important to understand that all electrical systems have the potential to cause harm and injury to a person if not dealt with correctly. The power from the voltage of electricity can lead to death so, we should always be aware of the risks involved and what we can do to stay safe.

There are four main types of electrical injuries that can occur due to electricity:

- Electrical burns from your body coming into contact with the electrical source
- Electrical shocks from encountering an electrical energy source
- Electrocutation from the electrical current entering your body
- Falls from when you are working at heights and encounter an electrical shock



*Electrical Burns*



*Electrical Shocks*



*Electrocution*



*Falls*

## Prevention

With these four main types of electrical injuries, there are things we can do to prevent them from happening.

- We need to make sure that all extension and power cords are in good condition before using them.
- The only people who should work with exposed wires should be qualified electricians.
- Any high-voltage equipment or areas of a worksite must be clearly marked and be sure to wear the correct PPE.
- Ensure you are not using electric tools and equipment close to the water.
- That you are using the safest ladder or scaffolding if needed for the job. Be sure to pay close attention to your work when working up high and close to electrical hazards.
- Before commencing work, inspect your electrical tools before using them.
- If there is any risk at all in coming into contact with electricity, **STOP** what you are doing and consult a supervisor