Project Related Terms	
PCC	Point of Common Coupling - the point in a power system where the electric utility and the customer interface occurs.
Feasibility Study	An assessment of a proposed plan or method.
FEED	Frond End Engg Design - basic engineering after completing the feasibility study.
IFR	Issued for Review
IFC	Issued for Construction
IFI	Issued for Information
IFT	Issued for Tender
Procurement	The activity of obtaining goods and services for a project.
QA/QC	Quality Assurance and Quality Control - to measure and assure the quality of a product.
EMS	Energy Management Services
AIS	ATCO Infrastructure Services
AES	ATCO Energy Services
On-grid	A system that is connected to a utility grid. Ensures you have enough electricity even if your system does not produce enough electricity.
Off-Grid	A system that is not connected to the utility grid. this means that the system is completely reliant on the sun and the energy that is stored in batteries.
TSO	Transmission System Operators - carries electricity from power plants to different distribution networks or to consumer. Long distances.
DSO	Distribution System Operators - distributes energy to final consumers. Smaller distances.
RFI	Request for Information

Other Terms	
MPPT	Maximum Power Point Tracking - an algorithm that is used by charge controller to maximize the available power from the PV module.
DC/AC Ratio	The ratio between the PV to inverter power.
Clipping Loss	When the DC/AC ratio is too high, the PV array will produce more power than the inverter can handle, resulting ins loss of power or clipping.
AC Coupled System	DC energy is converted into AC energy. This energy is then converted into Dc energy to be stored in a battery and converted into AC again to be used. (3 Conversions).
DC Coupled System	DC energy is stored directly into the batter where it is converted into AC only when it needs to be used.
Irradiance	The flux of radiant energy per unit area.
120/208VAC	Means the power distribution is 3 phase with neutral connection. 120V represents voltage phase to neutral, 208V represents voltage between two phases.
120/240V	Common voltage in a typical home. They have 2 hot wires and a neutral. 120V from hot wire to neutral, 240V from hot wire to hot wire.
Peak Load Shaving	A strategy for avoiding peak demand charges. This is done by reducing consumption or using batteries.
Voc	Short Circuit Current - the maximum voltage that a solar panel can produce with no load on it.
Isc	Short Circuit Current - measured when the string is disconnected from the inverter.
Helioscope	Used to design and simulate designs with solar panels.

Other Terms (cont)	
Soiling Loss	When dust and grime accumulates on solar panels, lowering the sunlight that reaches the solar panels.
Townsend Model	A calculator that predicts monthly snow soiling losses based on snow conditions such as snowfall amount, snow events, air temperature and insolation. Less sensitive to regions with lower snowfall.
Marrion Model	Uses hourly air temperature and plane-of-array irradiance values to predict when and how far snow slides off and array to calculate the system's fractional energy output.
Andrews Model	A purely empirical model tuned using data collected from similar sites. Can use data from fielded systems with this model to predict snow losses for new sites.