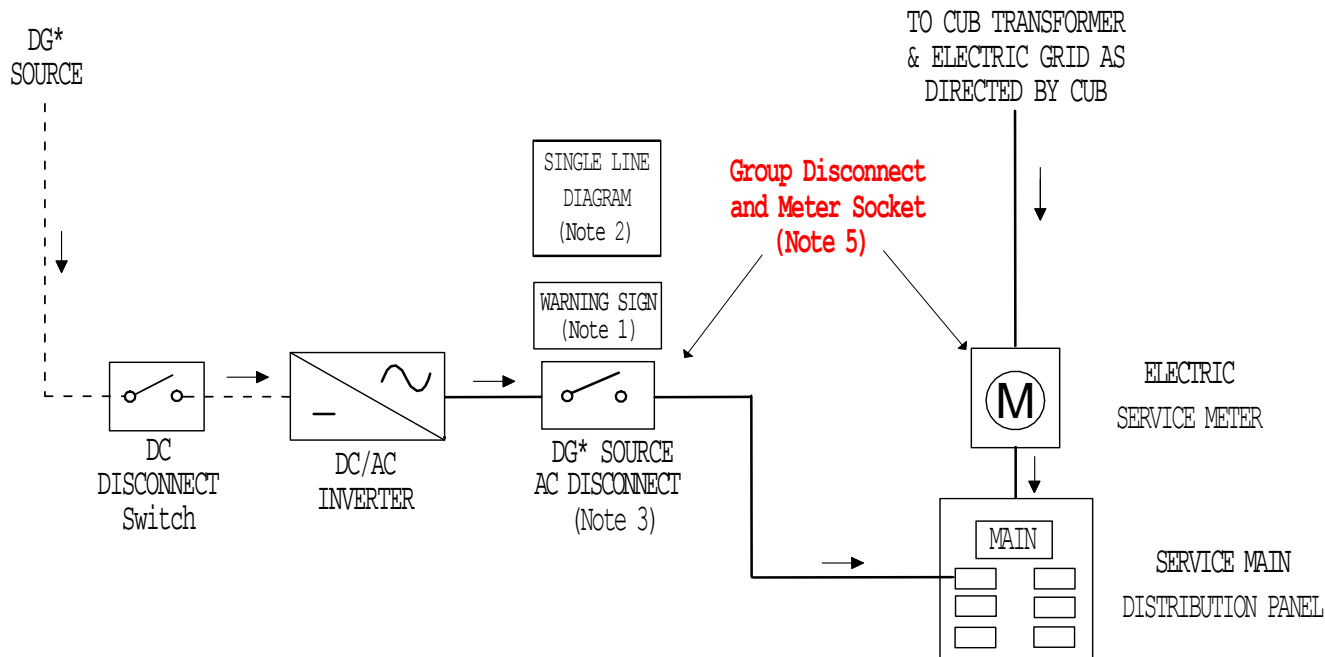


* DG - DISTRIBUTED GENERATION (SOLAR, WIND, BIOMASS, BATTERY STORAGE Etc.)



Notes:

1. Warning Sign - NEC Article 690.13 (B): Warning shall read, **"WARNING ELECTRIC SHOCK HAZARD. TERMINALS OF THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION."**

2. Single Line Diagram - The single line diagram shall be installed in the vicinity of the DG* Source AC Disconnect. The diagram shall show the DG* Source, DC/AC Inverter, and the connection to the Service Main Distribution Panel.


3. DG* Source AC Disconnect - Blade disconnect shall be manual, lockable in open position, visible load break disconnect and accessible to CUB personnel. If (2) two or more DG* source systems are installed, each DG* Source conductor terminations to be connected in the DG* Source AC Disconnect. The fused side of the disconnect shall be connected to the DC/AC inverter.

4. Photovoltaic & Other Sources - The entire system(s) shall be installed by the costumer to meet all requirements of the latest edition of the NEC, including Article 690. The entire system(s) installation shall be certified by a licensed electrician and inspected by the appropriate electrical inspector. Power outage to be coordinated with CUB if necessary for completing the DG* system prior to issuing the final inspection.

5. Grouping - The DG* Source AC disconnect must be grouped with and located adjacent to CUB's meter socket and shall remain readily accessible to CUB and capable of being locked in open position.

6. DC/AC Inverter - Inverter must be UL 1741 certified (ed. 2005 or later) utility interactive compliant per the requirements of IEEE 1547. It shall NOT produce and send power to the grid when the grid is down and shall reset as set forth per the latest edition of the NEC after the grid is restored.

7. Contact CUB Engineering Department for information regarding the approval process of grid-tied systems including an Interconnection Agreement (IA) for parallel operation of generation and renewable energy systems.

	LEGEND	CLINTON UTILITIES BOARD			
	----- DC POWER	Behind the Meter LOAD SIDE Interconnection			
	———— AC POWER	Service Metering & Switch Details			
	————> NORMAL DELIVERY DIRECTION	Rev. Date:	Submitted:	Approved:	SVC-DG-LS
	APR 2021	DM	TL		