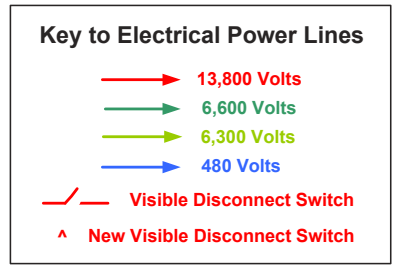


## TYPICAL SCHEMATIC OF NEW PUMP STATION MODULES Showing Flow of Electrical Power and Crude Oil

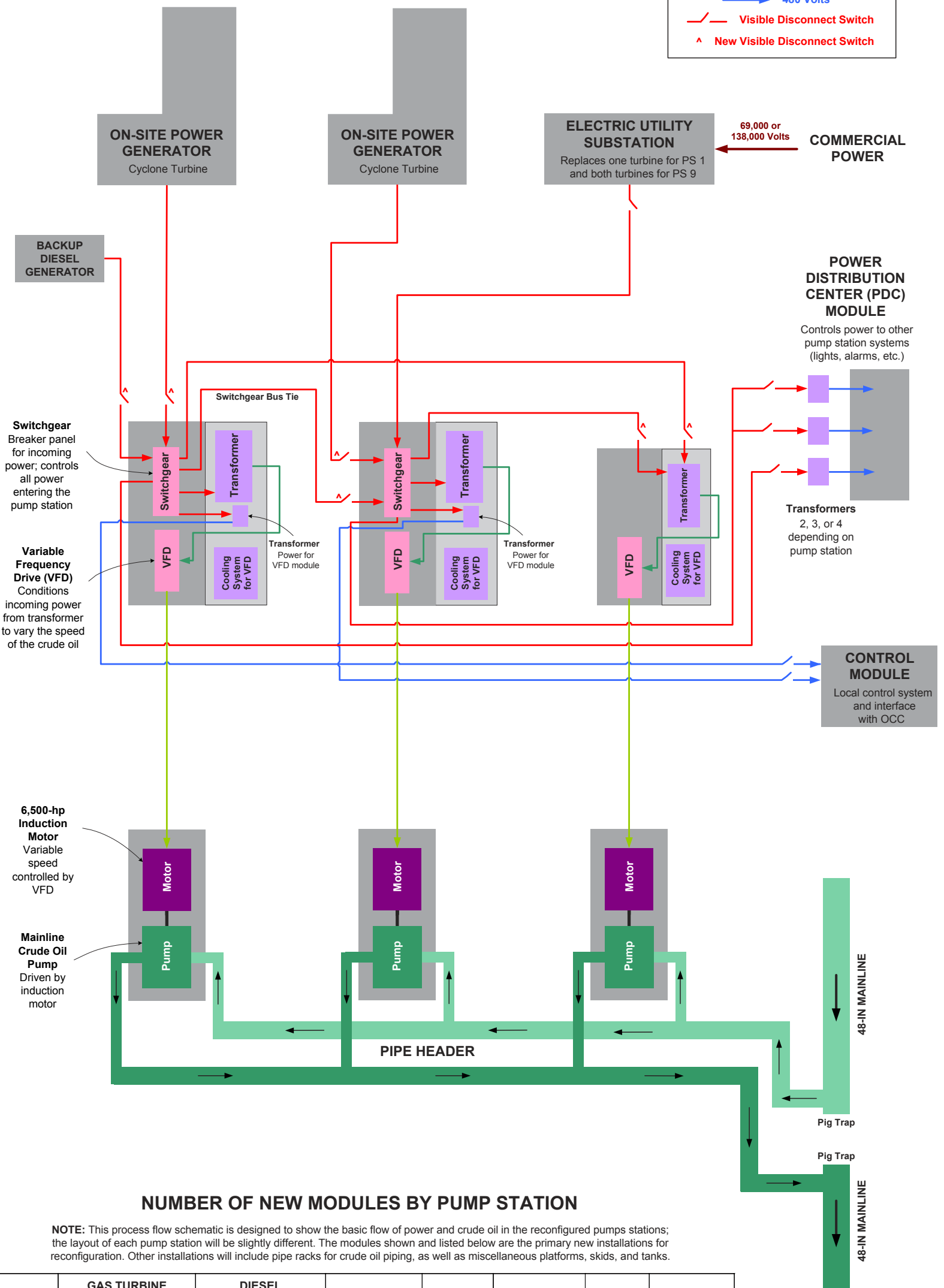
NOT TO SCALE



**POWER GENERATION**  
Configuration varies by pump station

**VFD MODULES**  
One for each pump; two VFD modules have switchgear

**PUMP/MOTOR MODULES**  
Three at each pump station for crude oil



### NUMBER OF NEW MODULES BY PUMP STATION

**NOTE:** This process flow schematic is designed to show the basic flow of power and crude oil in the reconfigured pumps stations; the layout of each pump station will be slightly different. The modules shown and listed below are the primary new installations for reconfiguration. Other installations will include pipe racks for crude oil piping, as well as miscellaneous platforms, skids, and tanks.

PUMP STATION	GAS TURBINE GENERATORS		DIESEL GENERATORS		ELECTRICAL SUBSTATIONS (Commercial Power)	CONTROL	POWER DISTRIBUTION CENTER (PDC)	PUMP/MOTOR	VARIABLE FREQUENCY DRIVE (VFD)
	13 Megawatt Primary	5 Megawatt Primary	2.25 Megawatt Backup	410 Kilowatt Primary					
1***	1	1	0	0	1	1	2*	3	3
3	2	0	1	0	0	1	1	3	3
4	2	0	1	0	0	1	1	3	3
5	0	0	0	2**	0	1	1	0	0
9	0	0	1**	0	1	1	1	3	3

\*One of the PDCs at Pump Station 1 will be installed in an existing building.  
 \*\*Two generators are in each module.  
 \*\*\*PS1 also has a black start 800 KW turbine generator for starting 13 MW generator.