

into three power plugs, each color coded to its receptacle. The opposite end of the cable can be adapted to engage an available transformer or power junction box at or near the well site.

[0047] In yet another embodiment, an auxiliary unit is included that contains a variable frequency drive (VFD) housing (also referred to as a Power Control Room) and a transformer mounted onto a single trailer. It can be used to power and control equipment such as the blender discharge motor (1750 HP VFD drive), blender hydraulic motor (600 HP soft starter), and the hydration unit hydraulic motor (600 HP soft starter). Typically, the discharge motor on the blender can be speed controlled, the other two large motors be run on or off at a single speed. The VFD housing can also contain the soft starter for the smaller blower motors for cooling.

[0048] Power can be provided from the turbine generators of the turbine sets 105 and 107, to the switchgears 109 and 111, then to the auxiliary trailers 113 and 115. The transformer portion of the unit can be on the rear of the trailers sitting above the triple axles but can be unattached in some embodiments. The transformer portion can be used to convert power from 13.8 kV to 600 V to provide power to the VFD housing. The auxiliary unit VFD housing is similar to the VFD housing used on the fracking pumps.

[0049] The auxiliary unit can be used to provide power to the primary and secondary blenders, the hydration unit, the sand conveyor belt (Dual Belt), and the datavan. The addition of a second auxiliary trailer can help with power cable management by providing alternative cable routing options instead of trying to plug in all of the equipment spread out across location to a single auxiliary trailer. Having a second auxiliary also allows the use of two separate power grids, thereby increasing the redundancy of operations.

[0050] Two turbines can power a single switchgear, which in one example provides power to half of the fracking pumps, and a single auxiliary trailer. If one pair of turbines shuts down due