CNG Source Motor Control Cabinet (MCC)

Energy Control Procedure

General Information			
Location		**Asset Number(s)/ Equipment ID(s)**	Motor Control Cabinet
Manufacturer or Equipment Name	CNG Source MCC		

Hazardous Energy Identification				
☐ Chemical	☒ Electrical	☐ Gravitational potential	☐ Hydraulic potential	☐ Kinetic
☐ Mechanical	☐ Pneumatic potential	☐ Radiation	☐ Thermal	

Personal Protective Equipment Required (Beyond Basic PPE)
Hard Hat, Gloves, Eye Protection, Hearing Protection, Safety Toe Boots, and High Vis Vest.
ONLY TRAINED AND AUTHORIZED PERSONNEL SHALL CONDUCT LOCKOUT/TAGOUT.
Shutdown Overview (Isolation Overview)
This Energy Control Procedure (ECP) provides a standardized and site-specific method for the safe de-energization and re-energization of the CNG Source Motor Control Center (MCC). It is designed to protect personnel and equipment by ensuring all hazardous energy sources—primarily electrical—are properly isolated before maintenance or servicing begins. The procedure includes pre-work notifications, PPE requirements, lockout/tagout (LOTO) protocols, and post-maintenance reactivation steps. Strict adherence to this ECP ensures compliance with Chevron safety standards and regulatory requirements, while supporting operational continuity and technician safety.

De-energization ECP for Service Instructions

1. Preparation & Safety

- Notify all affected personnel of the intended work and energy isolation.
- Review the system's operating status and ensure all maintenance is scheduled during safe conditions.
- Always Contact Chevron Call Center **(877-872-3966)** before starting work and when finishing work.
- Inspect the dryer for any damage before starting work.
- Wear protective clothing when working in and around unit due to burn hazard.
- Never open high voltage panel if natural gas is detectable in the atmosphere.
- Gather required PPE and verify all tools and LOTO devices are available.
- Complete Chevron Start Work Check

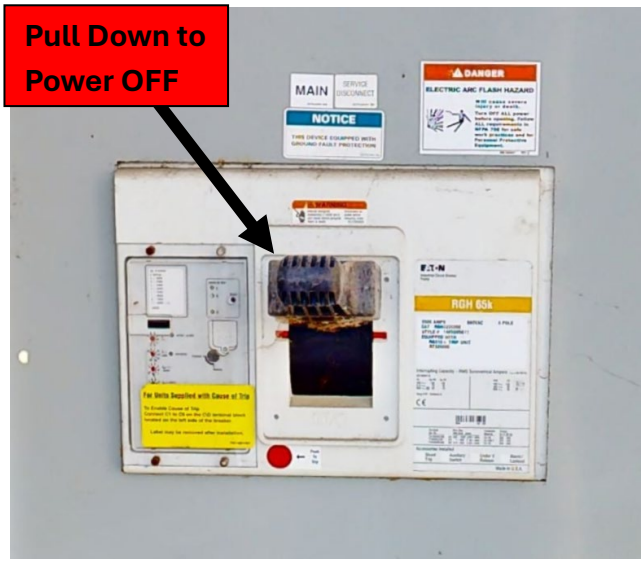
2. De-energization

2.1 Ensure the Compressors are not running and no fueling is in progress before Switching Main Power OFF.

2.2 Open the Site Main Power Panel Door

2.3 Switch the Main Breaker to the OFF position

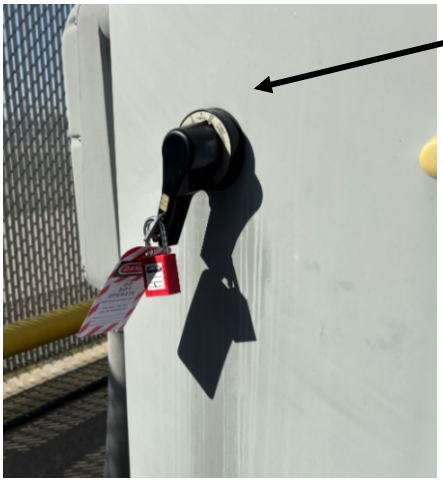
2.4 Close the Main Breaker Panel Door and attach a LOTO to the door handle



2.5 Locate the MCC panel for the specific compressor.

2.6 Turn the MCC Main Breaker to the OFF.

2.7 Apply lockout devices to the main disconnect switch. Tag all lockout points with appropriate identification



2.8 Confirm the MCC has Zero state of energy with a Multimeter before starting work.

3. Zero Energy Verification

3.1 Call the Supervisor or a Chevron Reliability Engineer to video verify that ALL de-energization procedures were followed and LOTO was applied.

4. Maintenance or Service

4.1 Once All safety checks and safeguards are in place, work in the MCC can begin

5. Re-energization and Re-pressurization (After Service)

Post-work Checks

5.1 Clean up tools and double check all connections are tight, and wire/components are secure.
5.2 Notify ALL affected personnel that the MCC will be re-energized.

Remove LOTO

5.3 Remove ALL LOTO that was applied

Re-energize Power Supplies

5.4 Switch the Main Breaker Power ON
5.5 Switch the MCC Breaker Power ON

Test MCC Operations

5.6 Test equipment and verify normal operations.
5.7 If the MCC or CNG Equipment need additional service work. Repeat Steps 2-4.

Notify Affected Personnel

5.8 Contact Chevron Call Center **(877-872-3966)** to make them aware of the Station/Equipment status.
5.9 Contact the Supervisor and Chevron Reliability Engineer for an equipment status update.
5.10 Complete all paperwork pertaining to the work before leaving the station

Version History and Approvals			
Version #	Date:	Name and Position:	Status: (Created/Approved/Annual Review*)
1.0	10/13/25	Harlan Brodie (Reliability Engineer)	Created
1.0	10/29/2025	Brent Tesla Renewables Project Manager	approved

*Procedure must be annually reviewed