

***HEALTH, SAFETY AND ENVIRONMENTAL ORIENTATION***  
***FOR***  
***TRANSMISSION & DISTRIBUTION***

**TEMPEST**  
Energy, LLC



## SAFETY – OUR **PRIMARY CORE VALUE**

*OSHA REGULATIONS ARE THE MINIMUM ACCEPTABLE SAFETY STANDARD FOR STORM RESPONSE AND ENERGY RESTORATION WORK. TEMPEST ENERGY AND OUR POWER COMPANY CLIENTS HAVE ESTABLISHED MANY RULES THAT EXCEED OSHA REQUIREMENTS AND DRIVE BEST-IN-CLASS SAFETY AWARENESS AND PERFORMANCE. COMPLIANCE WITH THESE RULES IS PARAMOUNT TO ENSURE THAT WE CREATE A SAFE AND HEALTHY WORK ENVIRONMENT FOR OUR MOST VALUABLE ASSET: OUR PEOPLE!*





## CARDINAL RULES

- ZERO TOLERANCE FOR THE USE OR POSSESSION OF ILLEGAL DRUGS, ALCOHOL AND FIREARMS ON OWNER PROPERTY
- FOLLOW ALL OSHA, TEMPEST AND OWNER SAFETY RULES WHEN WORKING ON OR NEAR ENERGIZED ELECTRICAL LINES AND EQUIPMENT
- FOLLOW ALL OSHA, TEMPEST AND OWNER GROUNDING RULES
- FOLLOW ALL OSHA, TEMPEST AND OWNER SWITCHING, TAG-OUT AND CLEARANCE RULES



## CARDINAL RULES (CONTINUED)

- FOLLOW ALL OSHA, TEMPEST AND OWNER COVER-UP RULES WHEN WORKING ON ENERGIZED LINES OR EQUIPMENT
- FOLLOW ALL OSHA, TEMPEST AND OWNER FALL PROTECTION RULES
- WEAR REQUIRED PERSONAL PROTECTIVE EQUIPMENT (E.G., RUBBER GLOVES, SLEEVES, CLASS E HARDHATS, NON-CONDUCTIVE SAFETY GLASSES, FR CLOTHING, NON-CONDUCTIVE SAFETY BOOTS, ETC.) WHEN WORKING ON OR NEAR ELECTRICAL LINES AND EQUIPMENT



## CARDINAL RULES (CONTINUED)

- REPORT ALL WORK-RELATED ACCIDENTS, INJURIES AND ILLNESSES IMMEDIATELY TO YOUR CREW FOREMAN
- DO NOT ENGAGE IN PHYSICAL HORSEPLAY OR FIGHTING
- INTERVENE, CORRECT AND REPORT ANY TEMPEST CARDINAL RULE VIOLATIONS IMMEDIATELY TO YOUR CREW FOREMAN OR TEMPEST ENERGY SITE SAFETY REPRESENTATIVE



## PERSONAL PROTECTIVE EQUIPMENT (PPE)

*CONTRACTOR PERSONNEL ARE REQUIRED TO COMPLY WITH OSHA, TEMPEST ENERGY AND OWNER PPE REQUIREMENTS AT ALL TIMES WHILE WORKING. PPE REQUIREMENTS WILL VARY DEPENDING ON THE SPECIFIC WORK ACTIVITY, BUT A MINIMUM GENERAL INVENTORY OF REQUIRED PPE INCLUDES, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:*



## PERSONAL PROTECTIVE EQUIPMENT (CONTINUED)

- FLAME-RESISTANT (FR) LONG-SLEEVE SHIRT
  - *8 cal/cm<sup>2</sup> minimum – sleeves rolled down and shirt tails tucked*
- FLAME-RESISTANT (FR) PANTS
  - *8 cal/cm<sup>2</sup> minimum*

*NOTE: FR PANTS AND LONG-SLEEVE SHIRTS MUST BE WITHOUT HOLES OR EXCESSIVE WEAR*

## PERSONAL PROTECTIVE EQUIPMENT (CONTINUED)

- HARD HAT
  - *Type 1, Class E, ANSI Z89.1*
- NONCONDUCTIVE SAFETY GLASSES OR GOGGLES WITH FACE SHIELD
  - *ANSI Z87.1*
- SAFETY-TOE WORK BOOTS
  - *electrical hazard protection rated*



## PERSONAL PROTECTIVE EQUIPMENT (CONTINUED)

- ELECTRICAL-INSULATING RUBBER GLOVES
  - *minimum Class 2 – up to 17,000VAC*
- LEATHER PROTECTOR WORK GLOVES
- ELECTRICAL-INSULATING RUBBER SLEEVES
  - *minimum Class 2 – up to 17,000VAC*

*NOTE: CLASS 3 RUBBER GLOVES/SLEEVES MAY BE REQUIRED DUE TO OWNER REQUEST, POLICY OR SYSTEM VOLTAGE*

## PERSONAL PROTECTIVE EQUIPMENT (CONTINUED)

- DOT HI-VIS REFLECTIVE VEST
  - *minimum Class 2*
- FULL-BODY FALL PROTECTION HARNESS AND SHOCK-ABSORBING LANYARD
  - *ANSI Z359*
- CLIMBING GEAR WITH 100% FALL RESTRAINT PROTECTION
  - *e.g., Bucksqueeze or equivalent*

## PERSONAL PROTECTIVE EQUIPMENT (CONTINUED)

- HAND PROTECTION
  - *when working with knives, tools or materials that could lead to hand/finger injury*
- HEARING PROTECTION
  - *when working in areas with noise levels above 85 decibels*
- CHAPS OR CUT-RESISTANT LEG PROTECTION
  - *When using chainsaw on ground*

### NOTES:

*\*SPECIFIC PPE REQUIREMENTS ARE OUTLINED BELOW BY WORK ACTIVITY.*

*\*ALL RUBBER ELECTRICAL-INSULATING PPE MUST BE IN GOOD REPAIR AND HAVE CURRENT TEST DATES.*



## VEHICLE SAFETY

*MOTOR VEHICLE ACCIDENTS CONTINUE TO BE THE NUMBER ONE CAUSE OF WORK-RELATED FATALITIES EACH YEAR. AS SUCH, VEHICLE SAFETY IS AND WILL REMAIN A FOCUS FOR TEMPEST ENERGY AND OUR CONTRACTOR PARTNERS.*



## VEHICLE SAFETY (CONTINUED)

### SAFE OPERATION AND DEFENSIVE DRIVING

- DRIVERS MUST HAVE THE REQUIRED CDL OR PROPER CLASS OF DRIVER'S LICENSE
- OBEY DOT, LOCAL, STATE AND FEDERAL LAWS AT ALL TIMES
- SEAT BELTS ARE REQUIRED AT ALL TIMES WHEN VEHICLE IS IN OPERATION
- OBEY ALL POSTED SPEED LIMITS
- MAINTAIN PROPER FOLLOWING DISTANCE (*6+ SECOND RULE*)



## VEHICLE SAFETY *(CONTINUED)*

- AVOID BACKING, WHEN POSSIBLE
- PARK SO THE VEHICLE CAN BE DRIVEN FORWARD, WHEN POSSIBLE
- BACK INTO PARKING SPACES, WHEN NECESSARY
- IF BACKING IS NECESSARY, USE A FLAGGER/SPOTTER





## VEHICLE SAFETY *(CONTINUED)*

- COMPLETE A SAFETY CIRCLE WALK BEFORE ENTERING THE VEHICLE
- PLAN YOUR ROUTE
- HANDS-FREE OPERATION OF MOBILE PHONES/HAND-HELD DEVICES ONLY
- PASSENGERS MUST RIDE WITHIN THE CONFINES OF THE VEHICLE, NOT ON THE TAILGATE, IN THE BED OR BUCKET
- PEDESTRIANS ALWAYS HAVE THE RIGHT-OF-WAY
- MAINTAIN A HIGH LEVEL OF SITUATIONAL AWARENESS OF OTHER VEHICLES AND HAZARDS



## WORKZONE SAFETY

- WHEEL CHOCKS MUST BE USED WHEN VEHICLES ARE PARKED
- UTILIZE TRAFFIC CONES WHEN VEHICLES ARE PARKED ON OR NEAR ROADWAYS
- TRAFFIC CONTROL DEVICES (*E.G., CONES, SIGNS, STOP/SLOW PADDLES, AND FLAGGERS*) ARE REQUIRED AT ALL TIMES IN VEHICULAR TRAFFIC FLOW AREAS



## WORKZONE SAFETY (CONTINUED)

- IF MEMBERS OF YOUR CREW ARE NOT ALLOWED TO PERFORM FLAGGING OPERATIONS, A THIRD PARTY FACILITATED BY TEMPEST ENERGY OR THE OWNER MUST BE USED
- TRAFFIC CONTROL PLANS MUST COMPLY WITH MUTCD STANDARDS

***PPE REQUIRED: HARD HATS, HIGH-VIS REFLECTIVE VESTS, SAFETY GLASSES, SAFETY-TOE BOOTS, FR SHIRTS AND PANTS***



## STAGING AREAS

- MAXIMUM SPEED OF 15 MPH IN STAGING AREAS
- PARK IN ASSIGNED AREAS ONLY
- ONLY CERTIFIED OPERATORS ARE ALLOWED TO OPERATE LIFT TRUCKS
- SEAT BELTS MUST BE WORN AT ALL TIMES WHEN LIFT TRUCKS ARE OPERATED



## STAGING AREAS (CONTINUED)

- HOUSEKEEPING MUST BE MAINTAINED – IF YOU MAKE A MESS, CLEAN IT UP
- GROUND CREW MUST MAINTAIN SAFE DISTANCE DURING LOADING OPERATIONS

***PPE REQUIRED: HARD HATS, HIGH-VIS REFLECTIVE VESTS, SAFETY GLASSES, SAFETY-TOE BOOTS, FR SHIRTS AND PANTS***



## LINE GROUNDING

- ALL LINES AND EQUIPMENT WILL BE TREATED AS ENERGIZED UNTIL DE-ENERGIZED, TESTED WITH AN APPROVED VOLTAGE DETECTOR AND GROUNDED PROPERLY
- GROUNDS MUST BE APPLIED AT THE DE-ENERGIZED SOURCE AND ALL OTHER POTENTIAL ENERGY SOURCES
- A GROUND-TO-GROUND/CRADLE-TO-CRADLE ELECTRICAL-INSULATING RUBBER GLOVES (*WITH LEATHER PROTECTORS*) AND SLEEVES POLICY WILL BE ENFORCED AT ALL TIMES WHEN WORKING ON OR NEAR ENERGIZED LINES AND EQUIPMENT





## LINE GROUNDING (CONTINUED)

- WHEN WORKING WITH DE-ENERGIZED AND PROPERLY GROUNDED, TAGGED AND FLAGGED LINES AND EQUIPMENT, ELECTRICAL-INSULATING RUBBER GLOVES AND LEATHER PROTECTORS ARE REQUIRED
- DOWNED LINES MUST BE PROPERLY ISOLATED, TESTED, GROUNDED, TAGGED AND FLAGGED BEFORE WORK ACTIVITIES CAN BEGIN

***PPE REQUIRED: HARD HATS, HIGH-VIS REFLECTIVE VEST (IF NEAR VEHICULAR TRAFFIC), SAFETY GLASSES, SAFETY-TOE BOOTS, FR SHIRTS AND PANTS, ELECTRICAL-INSULATING RUBBER GLOVES AND SLEEVES (MINIMUM CLASS 2), AND LEATHER PROTECTOR WORK GLOVES***



## COVER-UP

- ELECTRICAL-INSULATING RUBBER BLANKETS, MATS, LINE HOSES AND OTHER FORMS OF COVER-UP MUST BE USED TO PROPERLY ISOLATE WORKERS FROM POTENTIAL ELECTRICAL HAZARDS
- PRIOR TO USE, ELECTRICAL-INSULATING RUBBER PROTECTIVE EQUIPMENT MUST BE VISUALLY INSPECTED
- WHERE REQUIRED, ELECTRICAL-INSULATING RUBBER PROTECTIVE EQUIPMENT MUST HAVE CURRENT TEST DATES



## COVER-UP (CONTINUED)

- ELECTRICAL-INSULATING RUBBER PROTECTIVE EQUIPMENT MUST BE REMOVED FROM SERVICE AND TESTED BEFORE PUT INTO USE IF DAMAGED OR INVOLVED IN AN INCIDENT THAT CALLS ITS INSULATING PROPERTIES INTO QUESTION

***PPE REQUIRED: HARD HATS, HIGH-VIS REFLECTIVE VEST (IF NEAR VEHICULAR TRAFFIC), SAFETY GLASSES, SAFETY-TOE BOOTS, FR SHIRTS AND PANTS, ELECTRICAL-INSULATING RUBBER GLOVES AND SLEEVES (MINIMUM CLASS 2), AND LEATHER PROTECTOR WORK GLOVES***



## EXCAVATION/SETTING POLES

- UTILITY LOCATES MUST BE CALLED IN TO 811
- DIGGING/EXCAVATION IS PERMITTED ONLY AFTER ACQUIRING AN UP-TO-DATE UTILITY LOCATE TICKET
- TICKET NUMBER, DATES, TIMES AND LOCATION INFORMATION MUST BE ADDED TO WORK ORDER

## EXCAVATION/SETTING POLES (CONTINUED)

- IT IS AGAINST THE LAW TO CONDUCT ANY EXCAVATION WITHOUT A CURRENT UTILITY LOCATE TICKET IN THE NAME OF THE COMPANY PERFORMING THE WORK

***PPE REQUIRED: HARD HATS, HIGH-VIS REFLECTIVE VESTS (IF NEAR VEHICULAR TRAFFIC), SAFETY GLASSES, SAFETY-TOE BOOTS, FR SHIRTS AND PANTS, AND CUT-RESISTANT WORK GLOVES***



## POLE CLIMBING

- POLE STRUCTURAL INTEGRITY MUST BE ASSESSED BEFORE CLIMBING
- PER OSHA 29 CFR 1910.268 APPENDIX D, POLES MUST BE TESTED BY USING ONE OR MORE OF THE FOLLOWING METHODS:
  - ***Hammer Test*** – rap pole repeatedly with a 3 lbs hammer starting at ground level and work around and up the pole to 6’ of height
  - ***Screwdriver/Pole Prod Test*** – remove soil around the base of the pole with shovel and prod pole below ground level with a pole prod or 5” screwdriver





## POLE CLIMBING (CONTINUED)

- **Rocking Test** – apply horizontal force to the pole in an effort to rock it back and forth perpendicular to the line without swinging power lines together
- WHEN CLIMBING IS REQUIRED, TWO (2) QUALIFIED CLIMBERS MUST BE PRESENT AT EACH LOCATION WITH CLIMBING GEAR AT THE READY
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## POLE CLIMBING (CONTINUED)

- 100% FALL RESTRAINT SAFETY IS REQUIRED AT ALL TIMES (E.G., BUCKSQUEEZE OR EQUIVALENT)

***PPE REQUIRED: HARD HATS, HIGH-VIS REFLECTIVE VEST (IF NEAR VEHICULAR TRAFFIC), SAFETY GLASSES, SAFETY-TOE BOOTS, FR SHIRTS AND PANTS, ELECTRICAL-INSULATING RUBBER GLOVES (IF WORKING ON OR NEAR ENERGIZED OR DE-ENERGIZED LINES OR EQUIPMENT) AND SLEEVES (IF WORKING ON OR NEAR ENERGIZED LINES OR EQUIPMENT, LEATHER PROTECTOR WORK GLOVES AND FALL PROTECTION)***



## HAZARD ASSESSMENT

- A JOB HAZARD ANALYSIS (JHA) IS REQUIRED PRIOR TO BEGINNING ALL WORK ACTIVITIES
- ALL CREW MEMBERS MUST PARTICIPATE IN THE JHA
- NEW MEMBERS OF THE CREW MUST REVIEW THE JHA
- ALL CREW MEMBERS MUST SIGN THE JHA
- IF THE WORK TASK CHANGES, THE JHA MUST BE UPDATED AND REVIEWED WITH ALL CREW MEMBERS



## HAZARD ASSESSMENT *(CONTINUED)*

- JHA'S MUST INCLUDE, AS A MINIMUM, THE FOLLOWING:
  - Job hazards
  - Work procedures
  - Energy source controls
  - PPE
  - Emergency procedures
  - Special precautions



## ENVIRONMENTAL

- REPORT ALL SPILLS, REGARDLESS OF SIZE OR VOLUME IMMEDIATELY TO THE TEMPEST ENERGY SITE SAFETY REPRESENTATIVE
- CONTAIN ALL SPILLS USING ABSORBENT MATERIALS
- DO NOT TRANSPORT DAMAGED OR LEAKING TRANSFORMERS





## CHEMICAL, FLAMMABLES AND CYLINDER SAFETY

- SAFETY DATA SHEETS (SDS) MUST BE AVAILABLE FOR ALL CHEMICALS
- CHEMICALS MUST BE USED IN ACCORDANCE WITH THE SDS
- CHEMICALS MUST BE IN PROPERLY LABELED CONTAINERS
- CHEMICALS MUST BE PROPERLY STORED WHEN NOT IN USE
- GAS CYLINDERS MUST BE SECURED UPRIGHT AND HAVE PROTECTIVE CAPS PROPERLY INSTALLED WHEN NOT IN USE



## CHEMICAL, FLAMMABLES AND CYLINDER SAFETY (CONTINUED)

- GASOLINE MUST BE STORED IN DOT TYPE II PORTABLE SAFETY CANS WITH FLAME ARRESTERS

***PPE REQUIRED: HARD HATS, HIGH-VIS REFLECTIVE VEST (IF NEAR VEHICULAR TRAFFIC), CHEMICAL-RESISTANT SAFETY GOGGLES OR SAFETY GLASSES WITH FACESHIELD, SAFETY-TOE BOOTS, FR SHIRTS AND PANTS, AND CHEMICAL-RESISTANT GLOVES***

## NEAR-MISSES/HARMFUL CONTACT INCIDENTS

- EVERY INCIDENT INVOLVING BODILY INJURY OR PROPERTY DAMAGE AND ALL NEAR-MISSES MUST BE REPORTED TO THE TEMPEST ENERGY SITE SAFETY REPRESENTATIVE AS SOON AS REASONABLY POSSIBLE
- A DETAILED REPORT SHALL BE COMPLETED WITHIN TWELVE (12) HOURS OF THE INCIDENT AND SUBMITTED TO TEMPEST ENERGY AND THE OWNER



## MISCELLANEOUS

- BE AWARE OF AND PREPARE FOR THE POTENTIAL OF GENERATOR BACK-FEED
- QUALIFIED PERSONNEL MUST BE ASSIGNED TO EVERY JOB ON EVERY EVENT
- IF ANY ISSUE ARISES AT ANY TIME, PLEASE CONTACT THE TEMPEST ENERGY SITE SAFETY REPRESENTATIVE



## MISCELLANEOUS *(CONTINUED)*

- DEPENDING ON THE OWNER, SOME POLICIES AND/OR PRACTICES MAY CHANGE TO A HIGHER STANDARD OTHER THAN THOSE LISTED ABOVE
- IF YOUR COMPANY HSE POLICIES/PROCEDURES ARE MORE STRINGENT THAN THOSE LISTED ABOVE **AND** THE OWNER'S POLICIES/PROCEDURES, FOLLOW YOUR COMPANY REQUIREMENTS
- CONTRACTORS FOUND IN VIOLATION OF THE ABOVE REQUIREMENTS MAY BE SUBJECT TO DISCIPLINARY ACTION, UP TO AND INCLUDING, EXPULSION FROM THE STORM EVENT AS PER THE TEMPEST ENERGY MASTER SERVICE AGREEMENT (MSA)