

Construction Emergency Response Plan

674 - Ocotillo Express

Ocotillo, CA

For submittal to:

BLM / Imperial County

Prepared by:

Blattner Energy, Inc.

April 2012

BLATTNER ENERGY, INC.
Ocotillo Express Wind Project
JOB SITE EMERGENCY ACTION PLAN

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Date: May 1, 2012
Project Number: 674
Project Name: Ocotillo Express
Project Location: Ocotillo, California
Mailing Address: Ocotillo Express LLC
1377 W. Imperial Highway
Ocotillo, CA 92259
Telephone: 320-241-4945^[K1]

PROJECT DESCRIPTION

The Ocotillo Express Wind Project consists of installing 112 Siemens 2.3 MW wind turbine generators (WTG). The project is located approximately 3 miles north / northwest of Ocotillo, CA in Imperial County. The main construction activities on this project will include the following: building project roads, digging foundations, massive foundation concrete pours, trenching of electrical system, and installation of wind turbine generators.

See Exhibit 1 for a map of the project boundaries and access points and the emergency meeting point.

EMERGENCY RESPONSE LIASON

The Blattner Energy, will serve as the Emergency Response Liaison for this project. The emergency response liaison will coordinate the reduction of construction-related traffic for the duration of any emergency at or nearby the project site. The Imperial County Fire Department, Imperial County Sheriff's Office, the California Highway Patrol and the Bureau of Land Management have been provided with the construction schedule and the onsite contact information from the liaison prior to construction (see correspondence documentation). The liaison will be immediately reachable at all times during project construction. The liaison will have radio contact with project construction vehicles at all times to coordinate traffic reduction measures. In addition, the liaison will coordinate with the above listed agencies to establish emergency procedures for access to the project site in the event of an emergency (see contact info below).

REPORTING EMERGENCIES

In the event of fire, storm, flood, serious injury or other emergency, the following personnel can be contacted:

ALL ON SITE EMERGENCIES DIAL 911

DESIGNATED MEDICAL RESPONDER

Ambulance, flight for Life and other medical emergencies will be coordinated through the Imperial County Emergency Center listed below:

Imperial County Fire Department	Emergency 911
California Highway Patrol	Emergency 911
Imperial County Sherriff's Office	Emergency 911
BLM Dispatch	(909) 383-5653 or (909) 383-5654

FLIGHT FOR LIFE

Flight for Life will be requested and coordinated through Emergency responding personnel. A map depicting tower locations with the emergency meeting point (Exhibit 3) and supporting Global Positioning Coordinators (Exhibit 2) have been furnished to the Imperial County Fire Department and are attached as Exhibit 2 and Exhibit 3 to this plan.

Upon arrival on the scene, the senior EMS Officer will set up the incident command structure. Blattner Energy personnel will cooperate with directions of the incident commander and assist as directed.

The Incident commander shall designate, if required, an appropriate on-scene landing area should aerial evacuation of injured personnel be necessary.

The nearest ambulance and trauma facilities are approximately 30 minutes from the site.

Designated Emergency Organizations:

Agency	Contact Number	Address
Imperial County Fire Department	(760) 355-1191	2514 La Brucherie, Imperial CA
California Highway Patrol	(760) 482-2500	2331 US Hwy 86, Imperial CA
Imperial County Sheriff's Office	(760) 339-6301	328 Applestill Rd, El Centro
Gold Cross Ambulance	(760) 353-3380	905 S Imperial, El Centro
Reach Air Medical Service Imperial	(760) 355-2184	1111 Airport Rd, Imperial CA
Valley Occupational Medicine	(760) 370-0020	850 W Main St Ste E, El Centro CA

EMERGENCY ALARM

The jobsite emergency alarm has been identified as being (check those that apply):

Air Horn Radio Voice Hand Signals Siren

EMERGENCY RADIO PROCEDURES

When an emergency occurs the reporting person or unit will give a radio **“Code Nine (9)”**. Upon this signal radio silence will be maintained by all units, on all channels, in order for uninterrupted emergency communications between the reporting unit and base communications. Channel One (1) is designated as the emergency communications channel until otherwise specified by the Site manager or other designated supervisor-in-charge.

In the event radio contact cannot be made, the following positions will carry a cell phone. A contact list with the phone numbers will be given to the crews:

- Site Safety Coordinator
- Site Manager
- Project Engineer
- Field Engineer
- Superintendents
- Foreman
- Select Lead Persons

EMERGENCY REPORTING

In the event of an emergency the nearest supervisor or equipment operator with radio equipment will be notified. Per the above protocol, a **“Code Nine (9)”** Emergency will be broadcast and the nature and degree of emergency will be reported to the Site Manager, Project Engineer, Safety Coordinator and Superintendent of the affected work area.

Additionally the office assistant (TBD) will be notified as to whether outside Emergency Services will be needed. The Office Assistant will notify the 911 Emergency Center (Imperial County) and request the appropriate emergency service.

The BLM will be debriefed on all incidents in weekly monitoring reports and calls.

EMERGENCY RESPONSE

Upon notification, the Site Manager, Safety Coordinator and Trade Superintendents will respond to the emergency scene and manage emergency operations. First aid kits are available in the construction trailer and in all Blattner pickups and featherlite trailers for the crews. Crew members that have been first aid/CPR/AED trained are easily identifiable in the field with a hard hat sticker.

1. **Assess hazards and make the area safe-your safety comes first** – If you cannot enter the area without risking your safety, don't do it, call Emergency Services immediately and wait for them. If you think you can safely enter the area, look around the emergency scene for anything that can be dangerous or hazardous to you, the casualty, or anyone else at the scene. Bystanders can help with making the area safe.
2. **Take charge of the situation** – if you are the first-aid provider on the scene act fast. If someone is already in charge, briefly introduce yourself and see if that person needs any help. If there is any chance the casualty could have a head or spinal injury, tell them not to move.
3. **Get Consent** – always identify yourself as a first-aid provider and offer to help. Always ask for consent before touching a conscious adult casualty and always ask for consent from a parent or guardian before touching an unconscious or conscious child or infant. With an unconscious adult casualty consent is implied as it is generally accepted that most people want to live. Remember to protect yourself first by wearing gloves and eye protection.
4. **Assess Responsiveness** – is the casualty conscious or unconscious? Note their response while you are asking them for their consent. If they respond, continue with the primary survey, and if they don't respond, be aware that an unconscious casualty is or has the potential of being a breathing emergency. Employees will have an emergency contact list, allergy information, health disorders, etc. in a plastic packing list stuck in the top of their hard hat. This will help assist emergency personnel if the employee cannot respond.
5. **Call out for help** – this will attract bystanders. Help is always useful in an emergency situation. Anytime you need help, just call out. Someone can be called over to phone for medical help. Others can bring blankets if needed, get water, etc. a bystander can help with any of the following:
 - Make the area safe.
 - Find all the casualties.
 - Find the first aid kit, or any useful medical supplies.
 - Control the crowd.
 - Call for medical help.
 - Help give first aid, under your direction.
 - Gather and protect the casualty's belongings.
 - Take notes, gather information, be a witness.
 - Reassure the casualty's relatives.
 - Lead the ambulance attendants to the scene of the emergency.
 - You must always notify Emergency Services as soon as you can. Either send a bystander or call yourself.
 - Emergency professionals never get involved in an emergency scene without backup and neither should you.

In the event of a major medical emergency the person-in-charge of the emergency scene will dispatch someone to the site access point nearest the emergency scene to direct and lead arriving outside responders to the emergency scene. The designated meeting point is the parking lot of the Old

Highway Café in Ocotillo . Emergency personnel will be met at this meeting point communicated by management during the 911 call. The emergency personnel escort will have a Blattner Energy pickup truck with the hazard lights on so it is easily identified. All area emergency personnel will be given a site tour, maps; GPS coordinates to familiarize them with the project.

MEDICAL EMERGENCY

Each Superintendent and Foreman will identify each member of their respective crews who are First-Aid and CPR trained for the event of a medical emergency. Trained employees will be identifiable with a hard hat sticker indicating their training.

In the event of a major medical emergency the following personnel are professionally trained:

(Additional members to be determined upon arrival to site)

There will be three AED's on site in the following locations.

1. The job office at the main laydown yard for the Ocotillo Project located at **1377 West Imperial Highway, Ocotillo California.**
2. Located in the Site Safety Coordinator's pickup truck
3. Additional AED will be in the Project Engineer's truck or the Site Manager's truck.

MEDICAL PROTOCOL

In the event of a major medical emergency, the Emergency Center will be notified and an ambulance and emergency medical team will respond to the scene. All major medical cases require professional (ambulance) transportation. In the event of a minor medical case, the affected employee can be transported via company vehicle in the escort of a superintendent, foreman or field engineer. Crew members that have been first aid/CPR/AED trained are identified with a hard hat sticker.

ESCAPE AND EVACUATION PROCEDURE

Dependent upon the degree of the emergency, upon the emergency alarm, and if safe to do so, employees will evacuate to the below designated assembly area, where the below designated Supervisor(s)-Wardens shall account for all employees and determine if anyone still remains within the emergency scene.

The primary Designated Assembly Area is designated as the lay down area adjacent to the main job site trailer located at: **1377 West Imperial Highway, Ocotillo California. See maps (Exhibit 1 and Exhibit 3) at end of this section.**

Should a wild land fire occur, other locations may be designated as secondary assembly areas.

ROUTES FOR EVACUATION

Dependent upon the degree of emergency, weather and/or localized site conditions roadways as designated on the site map will be used for routes of evacuation. Terrain features favorable to swift evacuation may be utilized in the event of a fast moving wild fire. String roads will exit onto paved or graded public roadways and will be followed to the above designated assembly area. **See attached site map (Exhibit 1 and Exhibit 3).**

The following personnel are designated as evacuation wardens. They will ensure, should an evacuation to the designated assembly area be necessary, that all job sites are clear and all personnel are accounted for. Foreman level supervisors shall assist wardens in accounting for personnel.

Designated Evacuation Wardens and/or Emergency Contact List:

Employee Training:

All jobsite employees are trained to the requirements of this plan, evacuation procedures and emergency reporting protocols. Professional assistance will be summoned for fire, medical and rescue emergencies.

SPECIAL EMERGENCIES AND LOCATIONS

Listed in the following table are unusual emergencies that might occur on site:

SPECIAL EMERGENCY	LOCATION
Fire, Rescue, or Medical extraction from high angle tower positions	Dispersed tower locations, consult the site map (Exhibit 1)
Grassland and wild fires	Entire job site
Contact with high voltage overhead lines	Overhead Transmission Line; consult the site map (Exhibit 1)
Arc Flash and Electrical Burns	Substation and WTG transformer sites
Snake/Scorpion Bites	Entire job site

TOWER RESCUE PROCEDURE

In the event personnel are trapped or injured in an elevated tower position the following protocol will be initiated:

1. The **“Code Nine”** Emergency protocol will be initiated.
2. Site Superintendent and Safety Coordinator will be notified.
3. Tower Rescue Team will be activated and respond to the scene.
4. Outside medical and Rescue Teams will be notified and respond to the scene.

The following personnel have been trained in tower rescue and shall comprise the Tower Rescue Team:

(Other members to be determined upon arrival on site of completion of training)

Note: Trained Blattner Energy employees will be responsible to get an affected employee down the tower in the event of an emergency.

Tower Rescue Procedure:

1. Upon learning of an emergency the on-scene foreman shall assess the emergency and ascertain its degree, location and the extent of any injuries.
2. Upon confirming that an emergency exists the on-scene foreman shall declare on Channel One (1) the need for radio silence and notify the project Office.
3. Upon notification of the emergency the Office Assistant or the person receiving the emergency call shall notify senior project supervision and the Imperial County emergency Center (911) of the emergency.
4. The person notifying the Emergency Center shall inform the dispatcher of the location, tower number, the degree of the emergency and the extent of injuries.

HEAT ILLNESS PREVENTION

1. All employees will have access to air conditioning and shade in the vehicles to cool down.
2. Employees will have access to at least 2 quarts of water at all times.
3. High heat warnings and weather forecast will be discussed every morning with the crews. Weather conditions and forecast will be monitored regularly by management.
4. NO Employee will work alone. A buddy system will be used so employees can contact a supervisor in case of an emergency.
5. Onsite ice is available in the lay down yard. Along with air conditioned office space that can be used for employees in case of a heat related illness.

Person Completing Plan (sign): _____

Date: _____

Site Manager (sign): _____

Date: _____

EXHIBIT 1

EXHIBIT 2

EXHIBIT 3

CONFIDENTIAL