

STATEMENT OF WORK AND REQUIREMENTS FOR
HELICOPTER SUPPORT SERVICES FOR
THE PENNSYLVANIA GAME COMMISSION

1. **CONTRACT OVERVIEW:** This Contract for the PA Game Commission (PGC) will cover the requirements for Helicopter Support Services for prescribed burning as listed in the Scope of Work.
2. **SCOPE OF WORK:** The Contractor shall directly provide helicopter support Services for prescribed burning to the PA Game Commission at sites throughout the state. The Contractor shall provide all of the following services as specified and required by the Contracting Agency.

1. General

- 1.1 Provide one helicopter to facilitate prescribed fire operations on state game lands. A Red Dragon Plastic Sphere Dispenser (PSD) will be mounted in the helicopter during the burn operation.
- 1.2 An Aerial Ignition Specialist (AIS) will ride next to the pilot and direct firing operations.
- 1.3 The contractor shall be responsible for igniting the grid pattern with an accuracy of +/- 20% at a ground speed of 60 M.P.H. with ground winds 20 M.P.H. or less.
- 1.4 The contractor shall be responsible for providing a pilot and aircraft able to accommodate the PSD to conduct burning operations and fire suppression as needed.

2. Definitions

- 2.1. Prescribed burning is the deliberate burning of grass and forest lands under a prescription to meet land management goals
- 2.2. A grid consists of points located an equal distance apart such as 30' x 30 or 66' x 66'.
- 2.3. A PSD is mounted to the doorframe of a helicopter. The dispenser injects spherical containers (balls) of potassium permanganate with ethylene glycol and drops them from the machine causing point source fires. Spheres ignite five to ten seconds after injection with glycol.

3. Property and Services Furnished by the Game Commission

- 3.1. Form sheets to record start/stop times to the nearest 1/10 hour.
- 3.2. Maps of the burn unit and surrounding area.
- 3.3. Landing areas for refueling and other purposes adjacent to or near the burn unit.
- 3.4. An Aerial Ignition Specialist will be provided. They will ride in the helicopter to direct the pilot to the work site and will prescribe grid spacing and ground speed for ignition.
- 3.5. A Plastic Sphere Dispenser Operator (PLDO) will operate the PSD.
- 3.6. A Burn Boss and burn team will be on the ground at each unit..
- 3.7. PSD machine and balls will be furnished by the PGC.
- 3.8. Advanced preparation of fire breaks around perimeter to delineate and secure areas for aerial burning.

4. Contractor Furnished Items

- 4.1. A pilot with a minimum of 1500 hours helicopter experience, 1000 of which are qualified as external load flying (Federal Aviation Regulations (FAR), Part 133), 500 hours of air taxi experience (FAR Part 135) and 500 hours of aerial application (FAR Part 137). Each helicopter used must pass an annual FAR Part 135 inspection. Fuel truck driver must also possess appropriate State Drivers Licenses with at least CDL and HazMat endorsements necessary to drive the contractor-supplied fuel truck.
- 4.2. One helicopter with: minimum 5-place passenger/pilot seating, a Global Positioning System (GPS), minimum of one single turbine engine with a minimum of 420 shaft horsepower and must be capable of carrying a PSD machine, and two Commonwealth employees during fire operations.
- 4.3. Fuel and all necessary repair and maintenance for the helicopter. All helicopter repairs and maintenance shall be the accomplished by use of a FAA Certified Repair

Station.

- 4.4. Hour meter (Hobbs) for recording engine hours to the nearest 1/10th hour, readily visible to the pilot and Commonwealth employee for recording time for payment.
- 4.5. Licensing and compliance with all applicable state and federal regulations for the intended use of the helicopter is a contractor responsibility.
- 4.6. Flight helmets for AIS and PLDO with intercom for communication between pilot, AIS and PLDO
- 4.7. Adapters, if necessary, needed to connect the PSD to the aircraft's electrical system.
- 4.8. Truck for hauling equipment listed above and for fueling helicopter in the field and appropriate licenses for hauling fuel.
- 4.9. On board radio operating through the aircraft's intercom/headset system for the AIS to contact supporting ground crews on a VHF frequency such as 154.9875 Mhz with code guard of 186.2. The actual frequency will be coordinated with the contractor prior to the burn.
- 4.10. Access to a replacement helicopter if primary helicopter cannot fly due to maintenance or repair problems for an expected 24- hour period or longer. The replacement aircraft should be ready to use within 24 hours after the primary helicopter becomes unserviceable. The replacement helicopter shall remain in service until the primary helicopter returns to duty.
- 4.11. Alternate pilot if primary cannot fly for any reason for an expected 24-hour period or longer. The alternate pilot shall be onsite and ready to fly within 24 hours after the primary pilot becomes unavailable. The alternate pilot shall remain on duty until the primary pilot returns.
- 4.12. Nomex or cotton clothing to include either flight suit or pants/shirt and a flight helmet for any pilot engaged in prescribed fire operations.
- 4.13. "Bambi Bucket" or like device sized appropriately for aircraft for water drop operations.

5. Specific Tasks

- 5.1. PGC will determine helicopter mission, start and stopping times for ignition, ignition pattern, and other parameters. Pilot shall decide if conditions are safe for the proposed flight. Pilot and aircraft shall be available given one days' notice unless otherwise agreed to in writing by both parties at the start of the burn season. PGC can cancel any planned flight in the event of an emergency or if predicted conditions will not allow burn objectives to be met. Should the PGC need to cancel a planned flight; the contractor will be notified by the method agreed to between the government and the contractor no later than 8:00am on the affected burn day. There will be no penalty to the PGC if a flight is cancelled.
- 5.2. The pilot and PGC personnel will confer on the mission to settle logistics, method of operation, and other details.
- 5.3. PGC personnel are responsible for selecting the burn unit, informing the pilot where to position the helicopter for the first run, and determining the spacing required between subsequent flight lines.
- 5.4. PGC personnel may ride in passenger seats to help navigate flight lines during burn operations and observe wildfires.
- 5.5. Flights shall be terminated at any time by the pilot when he determines weather conditions or mechanical conditions are unsafe. Flights may be terminated by PGC personnel when weather conditions adversely affect the prescribed burn or when the flight becomes unsafe or no longer necessary.
- 5.6. Flights may be made for PGC personnel to check the progress of burns, to assess fire effects from previous burns, or to check wildfires area of the burn.
- 5.7. The Contractor will be provided a map of the burn area, coordinates and description of the primary and secondary LZs, radio frequency, and Point of Contact 2 weeks in advance of the burn.
- 5.8. Flight to and from the burn is the responsibility of the pilot and contractor.

5.9. PGC personnel will wear issued Nomex fire clothing. The pilot may wear Nomex or cotton clothing and all will wear flight helmet during all prescribed burning and fire suppression operations.

6. Contract Period

- 6.1. The contract period will coincide with the state fiscal year starting July 1 and ending June 30. Contract year 1 ends June 30, 2016. The Spring burn window runs from March 1 to May 31 each year. Aerial burns conducted by the PGC are most likely to occur during these spring months.
- 6.2. Flights will be scheduled on weekdays when weather conditions permit. The helicopter shall be on site within one hour after pilot receives notification or at the time specified by the PGC, whichever is later.

7. Delivery of Services

- 7.1 Deliveries shall be made as requested by the Ordering Officer/Contracting Officer. Addition or deletion of services may be requested during the term of the contract.
- 7.2 The contractor shall activate or deactivate services only through the Ordering Officer/Contracting Officer request.
- 7.3 The contractor shall enable the agency to input service requests to the contractor via telephone, cell phone, facsimile, mail, email, text, or direct contact.
- 7.4 The ordering Officer/Contracting Officer will submit the contractor requests for initiating, adding, changing, or terminating service. The contractor shall be responsible for directing and accomplishing all tasks associated with processing the service request.
- 7.5 The contractor shall verify that the authorization for the service request comes from the Ordering Officer/Contracting Officer. Oral orders may be placed by the Contracting Officer/Ordering Officer.
- 7.6 The contractor shall not process any service request without verification of the Ordering Officer or an explicit exception authorization from the Contracting Officer.

UNDUE DELAY

If the Awarded Contractor fails to respond within the required time period of the initial call, it will be deemed an undue delay. An undue delay will justify the PGC to contact another contractor to perform the services. The Awarded Contractor will be responsible for the damages, that is, the difference in hourly cost between the original contract price and the cost to have the work completed. The PGC will submit a bill with justification for the difference in cost to the Awarded Contractor.

NO SUB-CONTRACTING

For this particular Contract for services, there will be no sub-contracting allowed, unless a written request is received and approved in writing by the PGC. The awarded Contractor will provide all services directly unless agreed to in writing by the PGC.

8. Term of Contract

The term of the Contract shall commence on the Effective Date (as defined) and shall end on the Expiration Date identified in the Contract, subject to the other provisions of the Contract. The Effective Date shall be: a) the Effective Date printed on the Contract after the Contract has been fully executed by the Commonwealth (signed and approved as required by Commonwealth contracting procedures) or b) the "Valid from" date printed on the Contract, whichever is later. It is PGC's intention to establish a one (1) year contract with the option for four (4) renewal years, one year at a time.

9. Method of Award

Award will be made to the responsive bidder who meets the "Eligibility Requirements".

- 9.1 Bid opening will be **Thursday March 5, 2020 at 2 p.m.** local prevailing time.
- 9.2 The Game Commission reserves the right to reject any or all bids and to waive any informalities, defects, or irregularities in the bids.
- 9.3 Bids will be awarded based on the lowest total cost to the agency. Lowest total cost to the Game Commission will be determined by using cost per flight hour bid plus any mobilization cost bid for one mobilization

10. Pricing and Billing Requirements

Flight time for contractor payment purposes shall be determined by the engine hour meter. The pilot and agency personnel will record and initial start-stop times to the nearest 1/10th hour on a form sheet. The start time shall be when the helicopter takes off from the landing zone. Stop time will be when the helicopter has landed and will be on the ground for longer than five minutes. Time shall be recorded to the nearest 1/10th hour on a form sheet initialed or signed by the pilot and PGC employee.

11. Document Provision

The awarded Contractor is responsible for providing any/all required documentation to the PGC POC:

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