

Special Meeting April 16, 2019

Held at the Fire District's York station at 370 E. 65<sup>th</sup> S. Idaho Falls, Id at 12:00 P.M.

Attending: Commissioners, Gubler, Isom, and Long  
Dick Fowler operations officer  
Justin Kidd - Presenter and former BLM officer\

Information was presented by Justin Kidd regarding deployment to wild land fires outside the Fire District's normal boundaries with regard to how much each piece of equipment would be paid by the requesting agency.

Mr. Kidd presented the Commissioners a detailed break down for what each piece of equipment the District has in service would be paid per hour and what to expect the cost for personnel would be.

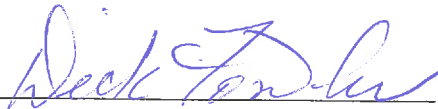
It was determined that a minimum of 12 people would be needed to operate designed equipment. The Commissioner Gubler expressed concern that the City of Idaho Falls Fire Department can only send out 14 people and that involved their ambulance requests by any outside agency. He also expressed concern that the City has some equipment as well to send out making it difficult to be in competition for deployment. The District has a contract with the City for the deployment outside the Fire District boundaries but that contract will expire in 2019 and was only for one year.

Discussion was directed to the availability for education of personnel should the District decide to employ it's own wild land fighting force. Mr. Kidd stated that CEI has a class at the cost of \$140.00 per student for beginning education.

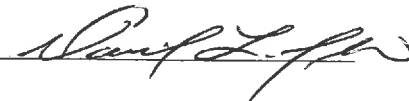
Attached is the document that Mr. Kidd presented.

Meeting adjourned at 1:45 P.M.

Notes taken by Dick Fowler



Reviewed by Commissioner Gubler



## **NOTICE**

**Bonneville County Fire District #1 Commissioners will be holding a special meeting:**

**Date: April 16, 2019**

**Time: 12:00 P.M.**

**Location: York fire station at 370 East 65<sup>th</sup> South Idaho Falls, Id**

**Purpose:**

**Discussion with a former BLM fire officer, Justin Kidd, regarding wild land firefighting outside fire district boundaries for the 2019 season.**

**Posted at the fire station location and County Court House bulletin board in Idaho Falls 24 hours in advance on Monday April 15, 2019 at 8:30 A.M.**

**Posted by:**



**Richard Fowler**

**District Operations Officer**

## Projected Costs for Personnel and Individual Equipment

### **Personnel Costs (Wages):**

Each wildland engine will require at least one qualified ENGB and one FFT1 or FFT2. It is often desirable and acceptable to operate an engine crew with 3 personnel, often configured with one ENGB and one each of a FFT1 and FFT2. NWCG standards require only 2 personnel to operate Type 4 and 6 engines, but provisions can be granted by the district or hosting agency for a third crewmember (which must be documented on the resource order).

An ENGB is typically paid at the rate of a GS-5 through GS-7 depending on experience and qualifications. Most Federal Agencies hire engine bosses at the GS-6 level and with promotion potential to the GS-7 level after one full year of service at the GS-6 grade. Engine bosses may also be hired using the Federal AD (Administratively Determined) Pay Plan, which provides a higher rate of pay per hour considering that the employee does not receive overtime after 40 hours/week. Overtime is built into the AD rate.

Crew members, depending on their experience and qualifications (FFT2 or FFT1), are typically paid at the GS-2 level through GS-4. AD pay plan rates are also established for these levels of qualification at the AD-C and AD-D.

ENGB: GS-5 at \$14.06 / hour plus OT at 1.5x after 40 hours = BASE PAY of \$562.40 per week  
ENGB: GS-6 at \$15.68 / hour plus OT at 1.5x after 40 hours = BASE PAY of \$627.20 per week  
ENGB: GS-7 at \$17.42 / hour plus OT at 1.5x after 40 hours = BASE PAY of \$696.80 per week  
ENGB: AD-F at \$24.16 / hour and same rate after 40 hours = BASE PAY of \$966.40 per week

FFT1: GS-4 at \$12.57 / hour plus OT at 1.5x after 40 hours = BASE PAY of \$502.80 per week  
FFT1: AD-D at \$20.12 / hour and same rate after 40 hours = BASE PAY of \$804.80 per week

FFT2: GS-2 at 10.26 / hour plus OT at 1.5x after 40 hours = BASE PAY of \$410.40 per week  
FFT2: GS-3 at \$11.20 / hour plus OT at 1.5x after 40 hours = BASE PAY of \$448.00 per week  
FFT2: AD-C at \$18.32 / hour and same rate after 40 hours = BASE PAY of \$732.00 per week

The Idaho Cooperative Mobilization Agreement had two different methods of paying cooperators for equipment and personnel as shown under Section C – Hiring Methods. Personnel pay rates can be established per the discretion of the fire district / chief when operating under an **Operated** method of hire. Refer to

Projected weekly staffing costs (Base of 40 hours per week) for a type 4 or type 6 wildland engine will have ranges of:

### Staffed with 2 personnel

1 ENGB + 1 FFT2 = \$972.80 / week using the lowest levels of pay at the GS pay scale  
1 ENGB + 1 FFT2 = \$1140.00 / week using the highest levels of pay at the GS pay scale  
1 ENGB + 1 FFT2 = \$1698.40 / week using the AD pay scale

### Staffed with 3 personnel

1 ENGB + 1 FFT1 + 1 FFT2 = \$1475.60 / week using the lowest levels of pay at the GS pay scale  
1 ENGB + 1 FFT1 + 1 FFT2 = \$1647.60 / week using the highest levels of pay at the GS pay scale  
1 ENGB + 1 FFT1 + 1 FFT2 = \$2503.20 / week using the AD pay scale

**Equipment Costs (Per Firefighter):**

All items and associated costs come from DLA Fire Supply Catalog

Personal Protective Equipment and Travel Gear:

Fire Boots – Typically provided by the firefighter

Fire Pants - \$86.45 ea.

Fire Shirt - \$74.69 ea.

Gloves - \$15.60 ea. / Can be purchased at other suppliers with higher quality and lower cost

Hardhat - \$52.38 ea.

Face and Neck Shroud - \$26.12 ea.

Fire Pack - \$167.84 ea.

PG Bag - \$96.03 ea.

Fire Shelter - \$371.89 to \$410.34 ea. depending on size

Sleeping Bag - \$109.59 ea.

BK KNG Radio - \$1,500 ea.

Total Cost of PPE and Gear: **Approximately \$2528.70 per firefighter with radio**

**Approximately \$1028.70 per firefighter without radio**

**SALARY TABLE 2019-GS**  
**INCORPORATING THE 1.4% GENERAL SCHEDULE INCREASE**  
**EFFECTIVE JANUARY 2019**

*Hourly Basic (B) Rates by Grade and Step*  
*Hourly Title 5 Overtime (O) Rates for FLSA-Exempt Employees by Grade and Step*

| Grade | B/O | Step 1  | Step 2  | Step 3  | Step 4   | Step 5   | Step 6   | Step 7   | Step 8   | Step 9   | Step 10  |
|-------|-----|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|
| 1     | B   | \$ 9.13 | \$ 9.43 | \$ 9.74 | \$ 10.04 | \$ 10.34 | \$ 10.52 | \$ 10.82 | \$ 11.12 | \$ 11.13 | \$ 11.42 |
|       | O   | 13.70   | 14.15   | 14.61   | 15.06    | 15.51    | 15.78    | 16.23    | 16.68    | 16.70    | 17.13    |
| 2     | B   | 10.26   | 10.51   | 10.85   | 11.13    | 11.26    | 11.59    | 11.92    | 12.25    | 12.58    | 12.91    |
|       | O   | 15.39   | 15.77   | 16.28   | 16.70    | 16.89    | 17.39    | 17.88    | 18.38    | 18.87    | 19.37    |
| 3     | B   | 11.20   | 11.57   | 11.94   | 12.32    | 12.69    | 13.06    | 13.44    | 13.81    | 14.18    | 14.56    |
|       | O   | 16.80   | 17.36   | 17.91   | 18.48    | 19.04    | 19.59    | 20.16    | 20.72    | 21.27    | 21.84    |
| 4     | B   | 12.57   | 12.99   | 13.41   | 13.83    | 14.24    | 14.66    | 15.08    | 15.50    | 15.92    | 16.34    |
|       | O   | 18.86   | 19.49   | 20.12   | 20.75    | 21.36    | 21.99    | 22.62    | 23.25    | 23.88    | 24.51    |
| 5     | B   | 14.06   | 14.53   | 15.00   | 15.47    | 15.94    | 16.41    | 16.87    | 17.34    | 17.81    | 18.28    |
|       | O   | 21.09   | 21.80   | 22.50   | 23.21    | 23.91    | 24.62    | 25.31    | 26.01    | 26.72    | 27.42    |
| 6     | B   | 15.68   | 16.20   | 16.72   | 17.24    | 17.77    | 18.29    | 18.81    | 19.34    | 19.86    | 20.38    |
|       | O   | 23.52   | 24.30   | 25.08   | 25.86    | 26.66    | 27.44    | 28.22    | 29.01    | 29.79    | 30.57    |
| 7     | B   | 17.42   | 18.00   | 18.58   | 19.16    | 19.74    | 20.32    | 20.90    | 21.49    | 22.07    | 22.65    |
|       | O   | 26.13   | 27.00   | 27.87   | 28.74    | 29.61    | 30.48    | 31.35    | 32.24    | 33.11    | 33.98    |
| 8     | B   | 19.29   | 19.94   | 20.58   | 21.22    | 21.86    | 22.51    | 23.15    | 23.79    | 24.44    | 25.08    |
|       | O   | 28.94   | 29.91   | 30.87   | 31.83    | 32.79    | 33.77    | 34.73    | 35.21    | 35.21    | 35.21    |
| 9     | B   | 21.31   | 22.02   | 22.73   | 23.44    | 24.15    | 24.86    | 25.57    | 26.28    | 26.99    | 27.70    |
|       | O   | 31.97   | 33.03   | 34.10   | 35.16    | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    |
| 10    | B   | 23.47   | 24.25   | 25.03   | 25.81    | 26.59    | 27.38    | 28.16    | 28.94    | 29.72    | 30.50    |
|       | O   | 35.21   | 35.21   | 35.21   | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    |
| 11    | B   | 25.78   | 26.64   | 27.50   | 28.36    | 29.22    | 30.08    | 30.94    | 31.80    | 32.66    | 33.52    |
|       | O   | 35.21   | 35.21   | 35.21   | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    | 35.21    |
| 12    | B   | 30.90   | 31.93   | 32.96   | 33.99    | 35.02    | 36.05    | 37.08    | 38.11    | 39.14    | 40.17    |
|       | O   | 35.21   | 35.21   | 35.21   | 35.21    | 35.21    | 36.05    | 37.08    | 38.11    | 39.14    | 40.17    |
| 13    | B   | 36.75   | 37.97   | 39.19   | 40.42    | 41.64    | 42.87    | 44.09    | 45.32    | 46.54    | 47.77    |
|       | O   | 36.75   | 37.97   | 39.19   | 40.42    | 41.64    | 42.87    | 44.09    | 45.32    | 46.54    | 47.77    |
| 14    | B   | 43.42   | 44.87   | 46.32   | 47.76    | 49.21    | 50.66    | 52.11    | 53.55    | 55.00    | 56.45    |
|       | O   | 43.42   | 44.87   | 46.32   | 47.76    | 49.21    | 50.66    | 52.11    | 53.55    | 55.00    | 56.45    |
| 15    | B   | 51.08   | 52.78   | 54.48   | 56.18    | 57.89    | 59.59    | 61.29    | 62.99    | 64.70    | 66.40    |
|       | O   | 51.08   | 52.78   | 54.48   | 56.18    | 57.89    | 59.59    | 61.29    | 62.99    | 64.70    | 66.40    |

Crew  
Crew  
Crew  
Crew/ENGB  
ENGB  
ENGB

| POSITION CODE | POSITION TITLE  | AD CLASSIFICATION | 310-1 |
|---------------|---|-------------------|-------|
| ENGB          | ENGINE BOSS   | F                 | *     |
| ENOP          | ENGINE OPERATOR   | E                 |       |
| EQPI          | EQUIPMENT INSPECTOR                                       | D                 |       |
| EQPM          | EQUIPMENT MANAGER   | E                 | *     |
| EQTR          | EQUIPMENT TIME RECORDER                                   | E                 | *     |
| CORD          | EXPANDED DISPATCH COORDINATOR                             | J                 | *     |
| EDRC          | EXPANDED DISPATCH RECORDER                                | C                 | *     |
| EDSP          | EXPANDED DISPATCH SUPERVISORY DISPATCHER                  | H                 | *     |
| EDSD          | EXPANDED DISPATCH SUPPORT DISPATCHER                      | F                 | *     |
| FACL          | FACILITIES UNIT LEADER                                    | H                 | *     |
| FAL1          | FALLER, ADVANCED  | J                 | *     |
| FAL3          | FALLER, BASIC   | D                 | *     |
| FAL2          | FALLER, INTERMEDIATE                                      | E                 | *     |
| THSP          | FAMILY LIAISON OFFICER                                    | K                 |       |
| FELB          | FELLING BOSS  | F                 | *     |
| ESFA          | FEMA EMERGENCY SUPPORT FUNCTION #4 ADMINISTRATIVE SUPPORT | F                 |       |
| ESFL          | FEMA EMERGENCY SUPPORT FUNCTION #4 PRIMARY LEADER         | K                 |       |
| ESFS          | FEMA EMERGENCY SUPPORT FUNCTION #4 STRUCTURE SUPPORT      | I                 |       |
| ESFW          | FEMA EMERGENCY SUPPORT FUNCTION #4 WILDLAND SUPPORT       | I                 |       |
| FOBS          | FIELD OBSERVER  | F                 | *     |
| FSC1          | FINANCE/ADMINISTRATION SECTION CHIEF TYPE 1               | L                 | *     |
| FSC2          | FINANCE/ADMINISTRATION SECTION CHIEF TYPE 2               | K                 | *     |
| FSC3          | FINANCE/ADMINISTRATION SECTION CHIEF TYPE 3               | J                 | *     |
| FBAN          | FIRE BEHAVIOR ANALYST                                     | J                 | *     |
| FEMO          | FIRE EFFECTS MONITOR                                      | D                 | *     |
| THSP          | FIRE LOOKOUT  | D                 |       |
| FFT1          | FIREFIGHTER TYPE 1 (SQUAD BOSS)                           | D                 | *     |
| FFT2          | FIREFIGHTER TYPE 2 (CREW MEMBER)                          | C                 | *     |
| FIRB          | FIRING BOSS   | F                 | *     |
| FWPT          | FIXED-WING PARKING TENDER                                 | C                 |       |
| FDUL          | FOOD UNIT LEADER  | H                 | *     |

1. Rates paid per hour for work performed at classification levels AD-A through AD-M:

|      | Classification | Pay rate (per hour) |
|------|----------------|---------------------|
|      | AD-A           | 14.92               |
|      | AD-B           | 16.40               |
| FFT2 | AD-C           | 18.32               |
| FFT1 | AD-D           | 20.12               |
|      | AD-E           | 22.12               |
| EN6B | AD-F           | 24.16               |
|      | AD-G           | 26.36               |
|      | AD-H           | 29.52               |
|      | AD-I           | 32.64               |
|      | AD-J           | 35.96               |
|      | AD-K           | 39.48               |
|      | AD-L           | 47.36               |
|      | AD-M           | 56.28               |

2. If the casual is assigned to a different position qualification (as documented on the SF-261, Crew Time Report), adjust the pay rate to the appropriate rate for that position and document in the remarks block of the OF-288.

3. The Area Commander, Type 1 or Type 2 Incident Commander, Security Specialist Level 1 or Level 2, and Wildland Fire Investigator are key positions and can only be filled by current agency employees. For state, local or tribal government employees who cannot work on federal incidents under their employment status or cooperative agreement due to policy or statute, the following positions may be filled under the included conditions:

- a. Area Commander: State, local, or tribal government employees who meet qualifications as certified by their Geographic Area Coordinating Group.

- b. Type 1 and Type 2 Incident Commander: State, local, or tribal government employees who meet qualifications as certified by their Geographic Area Coordinating Group.

- c. Wildland Fire Investigator: State, local, or tribal government employees.

4. When approved by the Bureau Procurement Chief (BPC), retirees may be hired as casuals in these positions:

- a. Buying Team Leader

- b. Contracting Officer

- c. Contracting Officer Technical Representative

### C. Hiring Methods

There are three hiring options for FSO equipment:

1. **Operated – This is the preferred method of hire.** This hiring method is intended for Volunteer Fire Departments (VFD) and combination VFD and Career-Staffed Fire Service Organizations. Under this option, the FSO is paid a single rate for personnel and equipment. The FSO is responsible for all payroll costs, including payroll tax and Workers' Compensation. Backfill will not be reimbursed under this process.
2. **Unoperated – The intent of this process is for Municipal Fire Service Organizations.** This method is used when mobilizing resources from career-staffed departments or combination career and volunteer/part-time departments when the Operated Agreement is cost prohibitive.

FSOs with a Collective Bargaining Agreement (CBA) the equipment will be hired at the unoperated rate and actual payroll costs for personnel will be reimbursed.

Combination career-staff and volunteer/part-time departments with an Employee Agreement (EA), as defined below, may be reimbursed for actual payroll costs or no more than the hourly rate listed in the current USFS AD Pay Plan for the position listed on the resource order, including trainee positions.

Fire departments with Unoperated Agreements may be reimbursed for backfill costs and portal-to-portal when obligated by their agreement. See Requirements for Reimbursement.

When an FSO bills portal-to-portal or for more hours than what is authorized on the Crew Time Report (SF-261) or Incident Time Report (OF-288) to meet the terms of the Collective Bargaining Agreement, and they are billing for more than one incident in a single day (0001 hours to 2400 hours), payroll costs shall be prorated based upon the number of hours actually worked on each incident as documented on the SF-261 or OF-288.

*Example: A Firefighter worked 8 hours on Fire A and 8 hours on Fire B. Each fire will be billed 50 percent (50%) of the actual payroll costs for the firefighter.*

#### Definitions

**Collective Bargaining Agreement (CBA)** – An agreement negotiated between employers and a group of employees aimed at reaching agreements to regulate working conditions. The interests of the employees are commonly presented by representatives of a trade union to which the employees belong.

**Employee Agreement (EA)** – An agreement negotiated between employers or elected officials and a group of employees that regulate working conditions. The interests of the employees are commonly presented by representatives of an employee association or other recognized body.

3. **Unoperated - Personnel hired as IDL casuals:** This option will only be utilized if the department does not have payroll capabilities or there is an extenuating circumstance. Under this option, the equipment will be hired at the unoperated rate and the personnel will be hired as an IDL casual, in accordance with IDL policy. IDL casuals are covered by the State Workers' Compensation policy and required to complete all necessary hiring paperwork through the local IDL Area/District office prior to mobilization.



Appendix 3 – Fire Apparatus/Equipment Rates

| Class or Type   | Minimum Staffing | Unoperated Hourly Rate | Operated Hourly Rate | FEPP Unoperated Hourly Rate | FEPP Operated Hourly Rate |
|---|------------------|------------------------|----------------------|-----------------------------|---------------------------|
| <b>Structure Engines</b>  |                  |                        |                      |                             |                           |
| E1  | 4                | \$123                  | \$215                | \$82                        | \$174                     |
| E2  | 3                | \$108                  | \$177                | \$72                        | \$141                     |
| <b>Wildland Engines</b>   |                  |                        |                      |                             |                           |
| WE3   | 3                | \$88                   | \$161                | \$59                        | \$132                     |
| WE4   | 2                | \$78                   | \$125                | \$52                        | \$101                     |
| WE5   | 2                | \$69                   | \$115                | \$46                        | \$93                      |
| WE6   | 2                | \$62                   | \$109                | \$41                        | \$90                      |
| WE7   | 2                | \$52                   | \$98                 | \$35                        | \$81                      |
| <b>Tactical Water Tenders</b>   |                  |                        |                      |                             |                           |
| T1  | 2                | \$132                  | \$178                | \$88                        | \$134                     |
| T2  | 2                | \$116                  | \$164                | \$77                        | \$125                     |
| <b>Support Water Tenders</b>  |                  |                        |                      |                             |                           |
| S1  | 1                | \$120                  | \$143                | \$80                        | \$103                     |
| S2  | 1                | \$106                  | \$129                | \$71                        | \$94                      |
| S3  | 1                | \$86                   | \$109                | \$57                        | \$80                      |
| <b>Agency Owned Support Vehicles</b>  |                  |                        |                      |                             |                           |
| SUV   |                  | \$6                    |                      |                             |                           |
| 1/2 Ton 4 x 4   |                  | \$6                    |                      |                             |                           |
| 3/4 Ton 4 x 4   |                  | \$8                    |                      |                             |                           |
| <b>Ambulances</b>   |                  |                        |                      |                             |                           |
| ALS   | 2                | \$66                   | \$140                | \$44                        | \$118                     |
| ILS   | 2                | \$64                   | \$130                | \$43                        | \$109                     |
| BLS   | 2                | \$60                   | \$122                | \$40                        | \$102                     |
| <b>EMS Kits</b>   |                  |                        |                      |                             |                           |
| ALS Kit   |                  | \$21                   |                      |                             |                           |
| ILS Kit   |                  | \$18                   |                      |                             |                           |
| BLS Kit   |                  | \$14                   |                      |                             |                           |
| <b>Aircraft Rescue and Firefighting Apparatus (ARFF)</b>  |                  |                        |                      |                             |                           |
| ARFF 1  | 3                | \$204                  | \$278                | \$136                       | \$210                     |
| ARFF 2  | 3                | \$154                  | \$226                | \$103                       | \$175                     |
| ARFF 3  | 3                | \$112                  | \$186                | \$75                        | \$149                     |
| <b>Portable Pumps</b>   |                  |                        |                      |                             |                           |
| P1  |                  | \$10                   |                      |                             |                           |
| P2  |                  | \$6                    |                      |                             |                           |
| P3  |                  | \$4                    |                      |                             |                           |
| <b>Medical Trailers</b>   |                  |                        |                      |                             |                           |
|   |                  | \$86                   | \$155                |                             |                           |
| <b>Personnel Rates when exceed Minimum Staffing Requirements</b>  |                  |                        |                      |                             |                           |
| When staffing levels exceed the minimum levels listed herein, the additional staffing must be authorized on the Resource Order. The additional staff shall be paid in accordance with the Agreement. See Hiring Method. |                  |                        |                      |                             |                           |
| Rates Revised 3/2018  |                  |                        |                      |                             |                           |

Fire Apparatus/Equipment Rates

**3. WATER HANDLING EQUIPMENT CLASSIFICATION AND PERSONNEL REQUIREMENTS**

**A. Engine Equipment Standards and Typing**

| Requirements                | Engine Classification |       |          |     |        |        |        |
|-----------------------------|-----------------------|-------|----------|-----|--------|--------|--------|
|                             | Structural            |       | Wildland |     |        |        |        |
|                             | 1*                    | 2*    | 3        | 4   | 5      | 6      | 7      |
| Tank Minimum Capacity (gal) | 300                   | 300   | 500      | 750 | 400    | 150    | 50     |
| Pump Minimum Flow (GPM)     | 1,000                 | 500   | 150      | 50  | 50     | 50     | 10     |
| At rated pressure (PSI)     | 150                   | 150   | 250      | 100 | 100    | 100    | 100    |
| Hose, 2 ½" (feet)           | 1,200                 | 1,000 | --       | --  | --     | --     | --     |
| 1 ½" (feet)                 | 500                   | 500   | 1,000    | 300 | 300    | 300    | --     |
| 1" (feet)                   | --                    | --    | 500      | 300 | 300    | 300    | 200    |
| Ladders per NFPA 1901       | Yes                   | Yes   | --       | --  | --     | --     | --     |
| Master Stream 500 gal/min.  | Yes                   | --    | --       | --  | --     | --     | --     |
| Pump and Roll               | --                    | --    | Yes      | Yes | Yes    | Yes    | Yes    |
| Maximum GVWR (lb)           | --                    | --    | --       | --  | 26,000 | 19,500 | 14,000 |
| Personnel (minimum)         | 4                     | 3     | 3        | 2** | 2**    | 2**    | 2**    |

\* Type 1 and 2 Structural Engines must also meet minimum equipment and PPE specifications of NFPA 1901, Standard for Automotive Fire Apparatus.  
 \*\* Type 4 through 7 Engines may be ordered with an additional crewmember at the request of the host agency.

1. All types shall meet federal, state, and agency requirements for motor vehicle safety standards, including all gross vehicle weight rating (GVWR) when fully loaded.
2. Type 4 through Type 7 Engines shall be able to prime and pump water from a 10-foot lift. Portable volume pump with a minimum capacity to pump 100 gallons per minute is acceptable.

**B. Tactical and Support Water Tender Equipment Minimum Standards and Typing**

| Requirements                  | Water Tender Type |       |       |       |       |
|-------------------------------|-------------------|-------|-------|-------|-------|
|                               | S1                | S2    | S3    | T1    | T2    |
| Tank capacity (gal)           | 4,000             | 2,500 | 1,000 | 2,000 | 1,000 |
| Pump minimum flow (gal/min)   | 300               | 200   | 200   | 250   | 250   |
| At rated pressure (psi)       | 50                | 50    | 50    | 150   | 150   |
| Maximum refill time (minutes) | 30                | 20    | 15    | --    | --    |
| Pump and Roll                 | --                | --    | --    | Yes   | Yes   |
| Personnel (minimum)           | 1                 | 1     | 1     | 2     | 2     |

Support Water Tenders may be ordered with an additional crewmember at the request of the host agency. FSO policy may require two personnel for off-district response, but must be authorized by the ordering agency and be documented on the Resource Order. Adjustments to the hourly rate shall be done in accordance with this agreement.

**REQUIRED COMPLEMENT (OR AS REQUIRED BY NWCG)**

**A. Engines**

- 2 each – Nozzles, combination fog/straight stream, 1" National Pipe Straight Hose (NPSH) female
- 2 each – Nozzles, combination fog/straight stream, 1 ½" National Hose (NH) female
- 20 feet – Suction hose with strainer or screened foot valve
- 2 each – Shovels, size 1
- 2 each – Pulaski
- 1 each – Spanner wrench, combination 1" – 1 ½"
- 2 each – Gated wyes, 1 ½", NH
- 4 each – Reducers, 1 ½" NH female to 1", NPSH male
- 2 each – Increases 1" NPSH female to 1 ½" NH male
- 1 each – Double male 1 ½" NH
- 1 each – Double female 1 ½" NH
- 2 each – Adapters 1 ½" NH female to 1 ½" NPSH male
- 2 each – Adapters 1 ½" NPSH female to 1 ½" NH male
- 1 each – Fire hose clamp
- 1 each – First Aid Kit (5 person)
- 1 each – Five (5) gallon container, or equivalent, for drinking water
- 1 each – Set of three (3) reflectors
- 1 each – Fire extinguisher (5 lb. or better)
- 1 each – Set of wheel chocks (meets industry standards)
- 1 each – Pump for water fill or have drafting capability
- 300 feet – Hose, synthetic ¾" – 50 foot sections
- 300 feet – Hose, 1" NPSH
- 300 feet – Hose, 1 ½" NH
- 4 each – Reducer, 1" NPSH to ¾" hose
- 2 each – Adjustable nozzles, ¾"
- 1 each – Mop-up wand, ¾" receptor for hose
- 4 each – Gated wye, ¾"
- 5 each – Inline ball valves, ¾"
- Fuel to operate pump and engine for 12 hours (minimum five (5) gallons)

CUE COLUMN

NOTES

- Wages GS 5-7 Engine Boss  
or AD Rate / GS 2-3,4 Crew
- PPE Pants, shirt, hard-hat, gloves,  
Pack, Fire Shelter, Radio holder
- Commo Radio (hand-held), Mobile  
Cloning cable / clam shells  
BK DPH/GPH+ or KNG / Batts
- Tools Chainsaw, Pulaski, shovel,  
Combi-tool, drip torches,  
fusseses, chaps, saw pack
- Other Canteens, Maps, Tablet PC,  
CTR Books, (Foam), Doman/Sigs  
Saw Parts, Files, PG Bags
- Pump, Hose, + Fittings  
Refer to IDL Standard Equip  
list + Portable Pumps  
Bladder Bags
- Vehicle Wheel Chaulks, Jack, light bar,  
  
Fully Equiped Engine With  
2-3 Crew

SUMMARY