

**2011**

**WAGE & EQUIPMENT**

**RATES**

**FOR THE**

**WASHINGTON STATE**

**FIRE SERVICE**

**Table of Contents**

<b>Fire Service Personnel</b>	<b>Page</b>
Personnel Rates.....	1
Compensable Time.....	2
Non-Compensable Time.....	3
Work Periods.....	4
Position Requirements.....	4
Personnel Paid by Home Agency.....	5
Backfill.....	6
 <b>Fire Service Equipment</b>	
Engines, Tenders and Ladders - Typing.....	7
Engines.....	8
Tenders.....	9
Ladders.....	10
Command Vehicles.....	10
All Other Vehicles.....	11
Communications Units.....	11
Haz-Mat and/or Technical Rescue.....	12
Mobile Command Posts.....	12
Emergency Medical Service Units.....	14
Other Fire Service Units.....	14
Water Handling Supply Cache.....	15
Notes: Compensable Issues.....	15
How the Fuel Cost Adjustment Works.....	16
Example of Vehicle Reimbursement.....	17
 <b>Other Equipment Rates / Contractor Rates</b>	
Dozers, Skidders.....	19
Excavators, Motor Grader.....	20
Backhoes, Dump Trucks, Buses.....	21
Water Trucks, Heavy Equipment Transport.....	22
Vehicle with Operator, Fuel Trucks, ATV.....	23
Gators, Portable Pumps, Farm Tractors.....	24
Tractor/Disc, Faller and Chain Saw.....	25
Fallers with Vehicle, Shop Truck.....	26
Mechanic with Tools, Contract Engines, Tenders.....	27
Contract Tender, Contract Water Equipment.....	28
Payment Provisions.....	30
Required Engine Inventories/Accessories.....	33
Required Tender Inventories/Accessories.....	34
Example Payment of Heavy Equipment/Transport.....	35
Equipment Typing.....	36

**Appendix N  
State Chiefs Rate Schedule**

**2009 Version - Mobilization Plan** (Updated June 2011)

**Personnel Rates:**

<b>Position</b>	<b>Regular Rate</b>	<b>Overtime Rate</b>	<b>Position</b>	<b>Regular Rate</b>	<b>Overtime Rate</b>
Aerial Observer	\$ 17.65	\$ 26.50	Human Resource Specialist	\$ 20.00	\$ 30.00
Agency Representative	\$ 26.00	\$ 39.00	Incident Business Advisor	\$ 25.00	\$ 37.50
Area Commander	\$ 30.00	\$ 45.00	Incident Commander	\$ 28.00	\$ 42.00
Base Camp Manager	\$ 17.00	\$ 25.50	Information Officer	\$ 25.00	\$ 37.50
Camp or Kitchen Helper	\$ 12.00	\$ 18.00	Land Owner Resource Advisor	\$ 22.00	\$ 33.00
Command Staff Type 1 IMT	\$ 30.00	\$ 45.00	Liaison Officer	\$ 25.00	\$ 37.50
Command Staff Type 2 IMT	\$ 25.00	\$ 37.50	Ordering Manager	\$ 17.00	\$ 25.50
Computer Technical Specialist	\$ 18.00	\$ 27.00	Paramedic	\$ 24.00	\$ 36.00
County Mobilization Coordinator	\$ 21.00	\$ 31.50	Payment Team Finance	\$ 22.00	\$ 33.00
Division Group Supervisor	\$ 25.00	\$ 37.50	Radio Operator (Dispatcher)	\$ 14.00	\$ 21.00
Driver	\$ 12.00	\$ 18.00	Regional Mobilization Coordinator	\$ 25.00	\$ 37.50
Emergency Medical Responder (EMR)	\$ 14.00	\$ 21.00	Resource Advisor	\$ 22.00	\$ 33.00
EMT	\$ 18.00	\$ 27.00	Security Manager	\$ 17.00	\$ 25.50
Advanced EMT	\$ 19.00	\$ 28.50	Single Resource Boss (Engine Boss)	\$ 18.00	\$ 27.00
Equipment Manager	\$ 17.00	\$ 25.50	Staging Area Manager	\$ 17.00	\$ 25.50
Faller Class A (up to 12" DBH)	\$ 14.00	\$ 21.00	Strike Team Leader	\$ 22.00	\$ 33.00
Faller Class B (up to 24" DBH)	\$ 17.00	\$ 25.50	Structural Protection Specialist	\$ 25.00	\$ 37.50
Faller Class C (24" DBH or greater)	\$ 21.00	\$ 31.50	Task Force Leader	\$ 22.00	\$ 33.00
Fire Behavior Analyst	\$ 23.00	\$ 34.50	Time Recorder/ Receptionist	\$ 14.00	\$ 21.00
Firefighter 1 (Red Carded)	\$ 17.00	\$ 25.50	Unit Leader	\$ 22.00	\$ 33.00
Firefighter 2	\$ 14.00	\$ 21.00	Weather Observer	\$ 14.00	\$ 21.00
General Staff	\$ 25.00	\$ 37.50			

**Compensable Time:**

**Compensable Time** begins upon arrival at the station in preparation to leave. Record all time spent mustering/meeting prior to traveling on the Crew Time Report (CTR) and not entered as travel (T) time.

**Travel Time** begins when you have departed your home station and are enroute to the incident. This should be indicated as a separate entry on the CTR (**Example A**). Travel time calculated as miles traveled divided by 45 mph.

**Return Travel Time** home should be duplicated from the travel in to the incident, unless the time grossly exceeds the travel formula. An hour of additional equipment maintenance is authorized (Section 14 Mobilization Plan). Travel time calculated as miles traveled divided by 45 mph. (**Example B**)

**Time in Assigned Status (on-duty time):** Any time the firefighter is on duty or subject to duty (not free to leave an area) and remains under the direction and control of the Incident Commander or designee. Those hours will be considered compensable. For example, a lunch period taken on the fire line will be considered compensable and should be listed as a comment on the CTR. (**Example C**)

**Excess Travel Time:** For personnel and equipment traveling home that experience any excessive travel delays, the additional excessive travel time should be recorded under the start and stop times with a notation in the remarks section explaining the extenuating circumstances. Travel time is based on miles traveled divided by 45 mph. The CTR needs to be faxed to the Mobilization Section within 24 hours of demobilization. This will ensure that the additional hours are credited if warranted. (**Example D**)

EXAMPLE A

CREW TIME REPORT						
(1) CREW NAME			(2) CREW NUMBER			
Thurston County Fire District # 25			E-2102			
(3) OFFICE RESPONSIBLE FOR FIRE		(4) FIRE NAME	(5) FIRE NUMBER			
State Mobe		Wood Gulch	WA-WFS-999			
(6)	(7)	(8)	DATE (9)	DATE (10)		
RE-MARKS NO.	Name of Employee	CLASSIFICATION	8/3/2006	8/3/2006		
			Military Time	Military Time		
			On	Off	On	Off
1 & 2	Bill White	SRB	1030	1130	1130	1230
	John Smith	FF1	↓	↓	↓	↓
	Bob Johnson	FF2	↓	↓	↓	↓
			# 1	# 2		
3 T	White		1230	1800		
	Smith		↓	↓		
	Johnson		↓	↓		
(11) REMARKS						
1 Prep engine for assignment - travel to Station # 5						
2 Muster w/strike team engines at Station # 5 - complete manifest						
3 Travel from Station # 5 to fire						

EXAMPLE B

CREW TIME REPORT						
(1) CREW NAME			(2) CREW NUMBER			
Thurston County Fire District # 25			E-2102			
(3) OFFICE RESPONSIBLE FOR FIRE		(4) FIRE NAME	(5) FIRE NUMBER			
State Mobe		Wood Gulch	WA-WFS-999			
(6)	(7)	(8)	DATE (9)	DATE (10)		
RE-MARKS NO.	Name of Employee	CLASSIFICATION	8/8/2006	8/8/2006		
			Military Time	Military Time		
			On	Off	On	Off
1 & 2	Bill White	SRB	0700	0900	0900	1530
	John Smith	FF1	↓	↓	↓	↓
	Bob Johnson	FF2	↓	↓	↓	↓
			# 1	# 2 T		
(11) REMARKS						
1 Demobe						
2 Travel home 5.5 hrs plus 1 hour equipment maintenance						

**EXAMPLE C**

CREW TIME REPORT						
(1) CREW NAME			(2) CREW NUMBER			
Thurston County Fire District # 25			E-2102			
(3) OFFICE RESPONSIBLE FOR FIRE			(4) FIRE NAME	(5) FIRE NUMBER		
State Mobe			Wood Gulch	WA-WFS-999		
(6)	(7)	(8)	DATE (9)		DATE (10)	
RE-MARKS NO.	Name of Employee	CLASSIFICATION	8/8/2006		8/8/2006	
			Military Time		Military Time	
			On	Off	On	Off
	Bill White	SRB	0700	1900		
	John Smith	FF1	↓	↓		
	Bob Johnson	FF2	↓	↓		
(11) REMARKS						
1/2 hour lunch 1130 - 1200						

**EXAMPLE D**

CREW TIME REPORT						
(1) CREW NAME			(2) CREW NUMBER			
Thurston County Fire District # 25			E-2102			
(3) OFFICE RESPONSIBLE FOR FIRE			(4) FIRE NAME	(5) FIRE NUMBER		
State Mobe			Wood Gulch	WA-WFS-999		
(6)	(7)	(8)	DATE (9)		DATE (10)	
RE-MARKS NO.	Name of Employee	CLASSIFICATION	8/8/2006		8/8/2006	
			Military Time		Military Time	
			On	Off	On	Off
1 & 2	Bill White	SRB	0700	0900	0900	1530
	John Smith	FF1	↓	↓	↓	↓
	Bob Johnson	FF2	↓	↓	↓	↓
			# 1		# 2	
3	White		1530	1730		
	Smith		# 3			
	Johnson		↓	↓		
(11) REMARKS						
1 Demobe						
2 Travel home 5.5 hrs plus 1 hour equipment maintenance						
3 Delayed 2 hours due to blocking accident and traffic backup						

**Non-Compensable Time:**

The following are not compensable by Mobilization:

- Time when an individual is not on assigned duty (may or may not appear on Incident Action Plan) and free to leave the area, which could include time spent eating, setting up tents and sleeping.
- Time required for normal vehicle/equipment servicing or maintenance.
- Crew change travel time (either direction).
- Out-of-Service time – If the unit is inoperable and CTR doesn't show alternate assignment, this time will be considered non-compensable. (See **Example E**)
- Attending daily briefings – Only the Strike Team/Task Force Leader is compensated for attending the briefings.

**EXAMPLE E**

CREW TIME REPORT						
(1) CREW NAME			(2) CREW NUMBER			
Thurston County Fire District # 25			E-2102			
(3) OFFICE RESPONSIBLE FOR FIRE			(4) FIRE NAME	(5) FIRE NUMBER		
State Mobe			Wood Gulch	WA-WFS-999		
(6)	(7)	(8)	DATE (9)		DATE (10)	
RE-MARKS NO.	Name of Employee	CLASSIFICATION	8/6/2006		8/6/2006	
			Military Time		Military Time	
			On	Off	On	Off
1 & 2	Bill White (to 2103)	SRB	0700	1000	1000	1800
	John Smith (to 2104)	FF1	↓	↓	↓	↓
	Bob Johnson (to 2105)	FF2	↓	↓	↓	↓
(11) REMARKS						
1 E-2102 out of service at 1000 - repl eng enr eta 8/7/06						
Crew split up among other engines in Strike Team						
2 1/2 hour lunch 1130 - 1200						

**Travel by Ferry for Personnel and Equipment:** For those resources that use a ferry to travel either to or from a Mobe deployment, the compensable hours will be calculated as such.

For those traveling to an island where the ferry is the only option:

Travel time is calculated at the mileage from home agency to incident divided by 45 mph + 1 hour for personnel only to allow for waiting time and time on ferry.

For those travelling to Kitsap County or Olympic Peninsula and taking the ferry as an alternate route:

Travel time is calculated at the mileage from home agency to incident divided by 45 mph.

There is no additional personnel compensation for riding on the ferry or waiting for the ferry. If the ferry is faster than the hours credited, there will be no deduction of hours; however, if the ferry is slower there will be no additional credit of hours.

In either situation the ferry toll is not a reimbursable Mobilization cost

**Per Diem:** Resources may be expected to be self-sufficient for up to 72 hours depending on the conditions of the Incident. See Section 19 of the Plan for per diem claim guidelines.

### **Work Periods:**

**Work Rest and Length of Assignment:** The Incident Management Team shall plan for and ensure that all personnel are provided a minimum of 2:1 work to rest ratio (for every 2 hours of work, provide 1 hour of sleep and/or rest). Shifts exceeding 16 hours, including travel shall be approved in writing by the Incident Commander in advance. Mitigation measures shall be employed to achieve compliance with the 2:1 work to rest ratio policies.

**Initial and Extended Attack:** Within the initial 48-hour period of a fire, initial attack and extended attack operations work to rest periods may vary in length. Full mitigation of the 2:1 work to rest ratio must be accomplished immediately following this period. This requires a minimum of 16 hours rest to be spread over the next 48 hours. Any shift in excess of 16 hours during this period requires Incident Commander's approval prior to working the shift.

### **Position Requirements:**

**When a Red Card is Required?** For most positions below Strike Team Leader, you come qualified as ordered. However, to receive the higher pay for positions above FF2, you need to provide your Red Card showing that you've taken the training and completed the Task Book.

**Personnel** sent to a Mobilization incident must be:

- Minimum of 18 years old;
- Trained, qualified, and experienced in the positions for which they are mobilized;
  - If ordered as a fire fighter no Red-Card is required
  - To receive the increased pay beyond a FF2, you must show certification (red card) for the higher level position.
- Trainee positions below Strike Team Leader will be paid at the highest level carded.
- Red card required for Strike Team Leader positions and above
- Fully equipped with required personal protective equipment (PPE) and safety equipment (for a wildland event, need wildland gear); and
- Physically conditioned and fit to perform the tasks assigned.

**Personnel Compensated by Home Agency:**

Those Personnel Compensated by their Home Agency assigned to a state mobilization will continue to be employees of that agency at all times. Fire agency reimbursement of personnel costs includes the following (See **Section 17** of the 2009 Mobilization Plan):

1. **Regular Hours:** All hours regularly scheduled at their home agency for personnel assigned to a mobilization incident. These hours will be calculated the same as the agency calculates their regular hours for days scheduled for duty at their regular hourly rate. (Example: 8, 10, 12, or 24 hours scheduled duty days.)
2. **Overtime Hours:** Overtime hourly rates for personnel assigned to a mobilization incident for overtime hours worked. Overtime hours are those hours not regularly scheduled to work at their home agency and are assigned on the incident action plan. Compensable overtime hours are the same as those in **Time in assigned status (on-duty time)**.
3. **Assigned Hours:** Assigned hours are those in which the employee is assigned to duty on the incident according to the shift plan or regularly scheduled shift assignment at home agency. Assigned hours include reasonable time spent in preparation for work before and after the shift, travel to and from the assignment, time spent in assigned staging, briefings, check-in, and demobilization. (See **Section 17** of the 2009 Mobilization Plan for complete Assigned Hours)
4. **Backfill:** The fire agency will be reimbursed the overtime premium differential for positions that require replacement staff for those personnel assigned to mobilization. Only regularly scheduled hours are eligible for backfill consideration. Backfill is compensated at 1/3 of the overtime rate.

**Example:**

Monday: Mobilized at 3pm;  
 Tuesday: Scheduled 24 hour shift starting at 7am; worked 6am to 6pm at the incident.  
 Shift backfilled at home.  
 Wednesday: Off shift at 7am; Day off working 6am to 6pm at the incident.  
 Thursday: Demobed and travel home returning at 2pm.

Shift / Week Day	Monday	Tuesday	Wednesday	Thursday
<b>Scheduled Shift:</b>	Day Off	7am to 7am	Day Off	7am to 7am
<b>Mobe Work Schedule:</b>	3pm to 11pm	6am to 6pm	6am to 6pm	6am to 2pm
<b>Hours Eligible for Backfill:</b>	0	24	0	7

Hours Compensable by Mobilization					Backfill Compensation	
Day	Hours Worked	Regular	Overtime	Total	Eligible Hours	Hours Backfilled
Monday	8	0	8	8	0	0
Tuesday	12	24	1	25	24	24
Wednesday	12	0	12	12	0	0
Thursday	8	7	1	8	7	0
<b>Total</b>	<b>40</b>	<b>31</b>	<b>22</b>	<b>53</b>	<b>31</b>	<b>24</b>

**Backfill Reimbursement:**

Why is backfill reimbursed at 1/3 of the overtime rate?

<b>Example:</b>		<b>Firefighter "1"</b>	<b>Firefighter "2"</b>
<b>1</b>	Firefighter "1" and "2" are paid the same rate:	Regular time \$10.00 an hour, Overtime \$15.00 an hour	Regular time \$10.00 an hour, Overtime \$15.00 an hour.
<b>2</b>	The Home Agency has FF "1" scheduled to work a 24-hour shift.	Budgeted \$240.00 to cover the personnel cost.	
<b>3</b>	When FF "1" is assigned to the Mobilization incident, the Regular and Overtime personnel cost are paid by Mobilization.	The Home Agency retains the \$240.00 it has budgeted for personnel cost.	
<b>4</b>	The Home Agency decides to Backfill FF "1"'s 24-hour shift. FF "2" works the shift.		The overtime cost for this shift is \$360.00 (24 x \$15.00).
<b>5</b>	The funds budgeted for FF "1" 24-hour shift, is now paid to FF "2".		\$360.00 Overtime Cost <u>\$240.00 Budgeted Shift Cost</u> -\$120.00 Difference
<b>6</b>	Backfill is 1/3 the cost of overtime.		\$240.00 Budgeted Shift Cost <u>\$120.00 Backfill Pay (1/3)</u> \$360.00 Total
<b>7</b>	Total Cost to the Home Agency for Mobilizing FF "1" and backfilling with FF "2" is the amount budgeted for the 24-hour shift.	All regular and overtime cost covered by Mobilization.	1/3 of the Backfill cost is reimbursed.

**Note:** When Backfilling a firefighter that is on a Mobilization assignment, the person backfilling should be within the same pay range.

<b>Backfilling with :</b>	<b>Lower Cost Personnel</b>	<b>Higher Cost Personnel</b>
Budgeted Amount \$ 240.00	Overtime \$ 8.00 an hour	Overtime \$ 20.00 an hour
Cost to cover 24 Backfill Shift	\$ 192.00	\$ 480.00
Cost to Home Agency if any:	\$ 0 – No Cost. The Agency saves \$ 48 for using lower cost person.	\$ 80.00 – Additional Cost. The Agency has an additional \$160.00 in overtime cost. The 1/3 reimbursement is based on the \$ 480.00 which is \$ 160.00 The \$ 240.00 + \$ 160.00 Totals \$ 400.00 The additional \$ 80.00 is a cost the Agency is responsible for.

**Engines:**

Type	Class	Minimum Personnel	Use	Pump Rate (GPM)	Tank Capacity (Gallons)
1	Engine	3	Structural	1,000 GPM	300 gallons
2	Engine	3	Structural	500 GPM	300 gallons
3	Engine	2	Wildland	150 GPM	500 gallons
4	Engine	2	Wildland	50 GPM	750 gallons
5	Engine	2	Wildland	50 GPM	400 gallons
6	Engine	2	Wildland	50 GPM	150 gallons
7	Engine	2	Wildland	10 GPM	75 gallons

**Tenders: Non-Tactical**

Type	Class	Minimum Personnel	Use	Pump Rate (GPM)	Tank Capacity (Gallons)
1	Non-	1	Support	300 GPM	4,000 gallons
2	Tactical	1	Support	200 GPM	1,001 - 3,999 gallons
3	Tender	1	Support	200 GPM	1,000 gallons

**Tenders: Tactical**

Type	Class	Minimum Personnel	Use	Pump Rate (GPM)	Tank Capacity (Gallons)
1	Tactical	2	Tactical	250 GPM	2,000 gallons
2	Tender	2	Tactical	250 GPM	1,000 gallons

**\*A Tactical Tender must be ordered as such and equipped as required to be paid as a Tactical Tender with minimum staffing of 2 personnel.**

**Aerial/Ladders:**

Type	Class	Minimum Personnel	Ladder/Aerial Height	Ground Ladders (A combination equaling)
1	Ladder	4	Greater than 75 feet	115 feet
2	Ladder	4	Less than 75 feet	115 feet

**Appendix N  
State Chiefs Rate Schedule**

**2009 Version - Mobilization Plan** (Updated June 2011)

**Engines:**

Type	Base Rate	\$ 2.76	\$ 3.01	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26
		Between						
		\$ 3.00	\$ 3.25	\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50
1	\$ 130.00	\$ 131.50	\$ 133.00	\$ 134.50	\$ 136.00	\$ 137.50	\$ 139.00	\$ 140.50
2	\$ 115.00	\$ 116.50	\$ 118.00	\$ 119.50	\$ 121.00	\$ 122.50	\$ 124.00	\$ 125.50
3	\$ 80.00	\$ 81.50	\$ 83.00	\$ 84.50	\$ 86.00	\$ 87.50	\$ 89.00	\$ 90.50
4	\$ 60.00	\$ 61.50	\$ 63.00	\$ 64.50	\$ 66.00	\$ 67.50	\$ 69.00	\$ 70.50
5	\$ 60.00	\$ 61.50	\$ 63.00	\$ 64.50	\$ 66.00	\$ 67.50	\$ 69.00	\$ 70.50
6	\$ 60.00	\$ 61.50	\$ 63.00	\$ 64.50	\$ 66.00	\$ 67.50	\$ 69.00	\$ 70.50
7	\$ 40.00	\$ 41.50	\$ 43.00	\$ 44.50	\$ 46.00	\$ 47.50	\$ 49.00	\$ 50.50

Type	\$ 4.51	\$ 4.76	\$ 5.01	\$ 5.26	\$ 5.51	\$ 5.76	\$ 6.01	\$ 6.26
	Between							
	\$ 4.75	\$ 5.00	\$ 5.25	\$ 5.50	\$ 5.75	\$ 6.00	\$ 6.25	\$ 6.50
1	\$ 142.00	\$ 143.50	\$ 145.00	\$ 146.50	\$ 148.00	\$ 149.50	\$ 151.00	\$ 152.50
2	\$ 127.00	\$ 128.50	\$ 130.00	\$ 131.50	\$ 133.00	\$ 134.50	\$ 136.00	\$ 137.50
3	\$ 92.00	\$ 93.50	\$ 95.00	\$ 96.50	\$ 98.00	\$ 99.50	\$ 101.00	\$ 102.50
4	\$ 72.00	\$ 73.50	\$ 75.00	\$ 76.50	\$ 78.00	\$ 79.50	\$ 81.00	\$ 82.50
5	\$ 72.00	\$ 73.50	\$ 75.00	\$ 76.50	\$ 78.00	\$ 79.50	\$ 81.00	\$ 82.50
6	\$ 72.00	\$ 73.50	\$ 75.00	\$ 76.50	\$ 78.00	\$ 79.50	\$ 81.00	\$ 82.50
7	\$ 52.00	\$ 53.50	\$ 55.00	\$ 56.50	\$ 58.00	\$ 59.50	\$ 61.00	\$ 62.50

**Staffing Levels:**

Equipment responding to a Mobilization incident must be staffed at either the minimum or maximum level as identified above. Any resource that does not meet the minimum staffing requirements will be paid at the lower rate where the requirement has been met.

This does not apply to initial attack by a host agency or mutual aid response prior to the declaration of mobilization.

**Tenders: Non-Tactical**

Type	Base Rate	\$ 2.76	\$ 3.01	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26
		Between						
		\$ 3.00	\$ 3.25	\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50
1	\$ 89.00	\$ 90.50	\$ 92.00	\$ 93.50	\$ 95.00	\$ 96.50	\$ 98.00	\$ 99.50
2	\$ 82.00	\$ 83.50	\$ 85.00	\$ 86.50	\$ 88.00	\$ 89.50	\$ 91.00	\$ 92.50
3	\$ 55.00	\$ 56.50	\$ 58.00	\$ 59.50	\$ 61.00	\$ 62.50	\$ 64.00	\$ 65.50

Type	\$ 4.51	\$ 4.76	\$ 5.01	\$ 5.26	\$ 5.51	\$ 5.76	\$ 6.01	\$ 6.26
	Between							
	\$ 4.75	\$ 5.00	\$ 5.25	\$ 5.50	\$ 5.75	\$ 6.00	\$ 6.25	\$ 6.50
1	\$ 101.00	\$ 102.50	\$ 104.00	\$ 105.50	\$ 107.00	\$ 108.50	\$ 110.00	\$ 111.50
2	\$ 94.00	\$ 95.50	\$ 97.00	\$ 98.50	\$ 100.00	\$ 101.50	\$ 103.00	\$ 104.50
3	\$ 67.00	\$ 68.50	\$ 70.00	\$ 71.50	\$ 73.00	\$ 74.50	\$ 76.00	\$ 77.50

**Tenders: Tactical**

Type	Base Rate	\$ 2.76	\$ 3.01	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26
		Between						
		\$ 3.00	\$ 3.25	\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50
1	\$ 100.00	\$ 101.50	\$ 103.00	\$ 104.50	\$ 106.00	\$ 107.50	\$ 109.00	\$ 110.50
2	\$ 95.00	\$ 96.50	\$ 98.00	\$ 99.50	\$ 101.00	\$ 102.50	\$ 104.00	\$ 105.50

Type	\$ 4.51	\$ 4.76	\$ 5.01	\$ 5.26	\$ 5.51	\$ 5.76	\$ 6.01	\$ 6.26
	Between							
	\$ 4.75	\$ 5.00	\$ 5.25	\$ 5.50	\$ 5.75	\$ 6.00	\$ 6.25	\$ 6.50
1	\$ 112.00	\$ 113.50	\$ 115.00	\$ 116.50	\$ 118.00	\$ 119.50	\$ 121.00	\$ 122.50
2	\$ 107.00	\$ 108.50	\$ 110.00	\$ 111.50	\$ 113.00	\$ 114.50	\$ 116.00	\$ 117.50

**\*A Tactical Tender must be ordered as such and equipped as required to be paid as a Tactical Tender with minimum staffing of 2 personnel.**

**Apparatus:**

- Appropriate and serviceable units
- Equipped as required by home agency

**Aerials/Ladders:**

Type	Base Rate	\$ 2.76	\$ 3.01	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26
		Between						
		\$ 3.00	\$ 3.25	\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50
1	\$ 205.00	\$ 206.50	\$ 208.00	\$ 209.50	\$ 211.00	\$ 212.50	\$ 214.00	\$ 215.50
2	\$ 185.00	\$ 186.50	\$ 188.00	\$ 189.50	\$ 191.00	\$ 192.50	\$ 194.00	\$ 195.50

Type	\$ 4.51	\$ 4.76	\$ 5.01	\$ 5.26	\$ 5.51	\$ 5.76	\$ 6.01	\$ 6.26
	Between							
	\$ 4.75	\$ 5.00	\$ 5.25	\$ 5.50	\$ 5.75	\$ 6.00	\$ 6.25	\$ 6.50
1	\$ 217.00	\$ 218.50	\$ 220.00	\$ 221.50	\$ 223.00	\$ 224.50	\$ 226.00	\$ 227.50
2	\$ 197.00	\$ 198.50	\$ 200.00	\$ 201.50	\$ 203.00	\$ 204.50	\$ 206.00	\$ 207.50

**Command Vehicle: Daily Rate**

Type	Daily Rate
SUV, Pickup, All Other	\$ 50.00

**Command Vehicle: Mileage**

Type	Daily Rate	Base Mileage Rate	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26	\$ 4.51
			Between					
			\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50	\$ 4.75
SUV, Pickup	\$50.00	\$1.06	\$ 1.08	\$ 1.10	\$ 1.12	\$ 1.14	\$ 1.16	\$ 1.18
All Other	\$50.00	\$0.73	\$ 0.75	\$ 0.77	\$ 0.79	\$ 0.81	\$ 0.83	\$ 0.85

Type	Daily Rate	\$ 4.76	\$ 5.01	\$ 5.26	\$ 5.51	\$ 5.76	\$ 6.01	\$ 6.26
		Between						
		\$ 5.00	\$ 5.25	\$ 5.50	\$ 5.75	\$ 6.00	\$ 6.25	\$ 6.50
SUV, Pickup	\$50.00	\$ 1.20	\$ 1.22	\$ 1.24	\$ 1.26	\$ 1.28	\$ 1.30	\$ 1.32
All Other	\$50.00	\$ 0.87	\$ 0.89	\$ 0.91	\$ 0.93	\$ 0.95	\$ 0.97	\$ 0.99

**Command Vehicles:** Paid mileage or the daily rate. The highest rate is paid for that day.

**Compensable usage includes:** Travel to, from and use at the incident as appropriate.

The Base Mileage Rate for the SUV, Pickup is based on a ¾ ton 4x4 vehicle.

The Base Mileage Rate for All Other is based on a Light Utility 4x4 vehicle.

**All Other Vehicles: Daily Rate**

Type	Daily Rate
SUV, Pickup, All Other	None

**All Other Vehicles: Mileage**

Type	Mileage Rate
SUV, Pickup, Other	\$ 0.51

**Personal or Agency Owned Vehicles:** Paid mileage only.

**Compensable usage includes:** Travel to and from the incident only.

**Rate Established:** Established by the U.S. General Services Administration – viewable at: <http://www.gsa.gov/portal/content/100715>. The current rate was established 1/1/2011.

**Note:** If using a vehicle with driver on an incident as a runner: Use the Vehicle with Driver section of the Other Equipment/Contractor Rates.

**Communications Equipment and Support Units:**

Equipment Type	Daily Rate			
	Type 1	Type 2	Type 3	Type 4
Communications Unit	\$ 1,500.00	\$ 1,000.00	\$ 500.00	\$ 250.00

Refer to **Appendix L** of the Mobilization Plan for Typing Requirements.

**This rate is all-inclusive (i.e., unit comes with batteries and equipment to make the unit functional)**

Equipment Type	Daily Rate	Quantity	Minimum Number
Repeaters	\$ 100.00	each	1
Portable Radios	\$ 20.00	each	6

**Portable Radio Reimbursement Requirements:** King Radio, Clam Shell and batteries.

**Haz-Mat and/or Technical Rescue Vehicle**

Type	Hazardous Material or Technical Rescue Unit with Supplies and Equipment	Daily Rate	Reimbursement for Consumables
Towing Unit Only	None	Mileage or Daily	No
Trailer	Yes	\$ 500.00	Yes and damaged equipment
Truck	Yes	\$ 500.00	
Truck with Trailer	Yes	\$ 500.00	

**Towing Vehicle:** Paid the same as a unit towing a Type 1 or 2 Mobile Command Post.

**Mobile Command Post: Daily Rate**

Type	Number of Workstations	Staffing Provided	Daily Rate
1	6+	Yes	\$ 500.00
2	4 to 6	Yes	\$ 400.00
3	2 to 4	No	\$ 300.00
4	2 to 4	No	\$ 200.00

**Command Post Equipment/Supplies:** The Command Post must have work stations, meeting area for Command personnel, RF communications, cellular telephone communications, fax machine, computer equipment, and a high speed copier. Personnel are reimbursed separately.

**Daily Rate Usage Includes:** Use of generator for power, chairs, tables, computers and nominal office supplies. Additional compensation may be negotiated upon depending on the use of office supplies (paper, ink, etc...).

**Mobile Command Post: Mileage**

Type	Base Mileage Rate	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26	\$ 4.51
		Between					
		\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50	\$ 4.75
1	\$ 1.14	\$ 1.16	\$ 1.18	\$ 1.20	\$ 1.22	\$ 1.24	\$ 1.26
2	\$ 1.14	\$ 1.16	\$ 1.18	\$ 1.20	\$ 1.22	\$ 1.24	\$ 1.26
3	\$ 1.06	\$ 1.08	\$ 1.10	\$ 1.12	\$ 1.14	\$ 1.16	\$ 1.18
4	\$ 1.06	\$ 1.08	\$ 1.10	\$ 1.12	\$ 1.14	\$ 1.16	\$ 1.18

(See Next Page for Additional: Mobile Command Post: Mileage)

**Mobile Command Post: Mileage (continued)**

Type	\$ 4.76	\$ 5.01	\$ 5.26	\$ 5.51	\$ 5.76	\$ 6.01	\$ 6.26
	Between						
	\$ 5.00	\$ 5.25	\$ 5.50	\$ 5.75	\$ 6.00	\$ 6.25	\$ 6.50
1	\$ 1.28	\$ 1.30	\$ 1.32	\$ 1.34	\$ 1.36	\$ 1.38	\$ 1.40
2	\$ 1.28	\$ 1.30	\$ 1.32	\$ 1.34	\$ 1.36	\$ 1.38	\$ 1.40
3	\$ 1.20	\$ 1.22	\$ 1.24	\$ 1.26	\$ 1.28	\$ 1.30	\$ 1.32
4	\$ 1.20	\$ 1.22	\$ 1.24	\$ 1.26	\$ 1.28	\$ 1.30	\$ 1.32

**Command Post:** Paid mileage or daily rate, whichever is highest for that day.

**Compensable usage includes:** Travel to, from and use at the incident as appropriate.

The Base Mileage Rate for the SUV, Pickup is based on a ¾ ton 4x4 vehicle.

The Base Mileage Rate for All Other is based on a Light Utility 4x4 vehicle.

**Towing Vehicle:** If towed by another vehicle, the Towing Vehicle is paid mileage to and from the incident only. Reimbursement for Towing Vehicle usage at an incident needs prior approval.

**Example: Vehicle towing a Type 1 Command Post with fuel at \$3.26 a gallon.**

Enroute to the incident – truck is paid per mile; Truck = \$1.16 a mile; Trailer = Daily Rate \$500



At the incident, the truck is then used to make deliveries on the line:

Truck = \$1.08 a mile (reduced since it's not towing the trailer). Trailer = Daily Rate \$500



Return trip home, the truck is paid at \$3.26 a gallon. Trailer = Daily Rate \$500



If the truck is not used at the incident, it is only paid mileage to and from the incident and not a daily rate.

**Emergency Medical Service Units:**

Medical Certification ( Minimum)	Ambulance Equipped	Staffing Levels		
		EMR	EMT	Medic
<p><b>Line EMT or Paramedic</b> When an EMT or Paramedic is needed on the line with the crews that are actively working an incident the EMT's and paramedics must be equipped with medications and supplies appropriate for their level of certification per controlling MPD protocols.</p>	No	N/A	Varies upon the request and mission	
<p><b>BLS Support</b> When the BLS service is needed in a camp, triage center, drug distribution point or to assist the MEDL where transportation is not needed or away from the line, and not needing transportation.  EMT's and Medics may be requested with or without an ambulance depending upon their assignment.</p>	No	Varies upon the request and mission		
<p><b>BLS Support</b> When the BLS service is to provide first aid at a camp, triage center, drug distribution point or to assist the MEDL where an ambulance is needed.  BLS ambulance would be required to meet the equipment listed in Table A of WAC 246-976-300.</p>	Yes  Hourly Rate \$56.00	Any combination of the following – minimum number needed is 2. 1 EMT + 1 EMR 2 EMT's		
<p><b>ALS Support</b> When the ALS service is requested for standing by or is actively engaged in patient care.  EMT's and paramedics must be equipped with medications and supplies appropriate for their level of certification per controlling MPD protocols.  It would be up to the MEDL to determine if the EMT or Paramedic meets this requirement.</p>	Yes Transport Capable  Hourly Rate \$67.00	N/A	Any combination of the following – minimum number needed is 2.  1 EMT + 1 Medic 2 Medics	

The Hourly Rate does not include personnel and ends when a patient that will need to be transported is being treated. The patient will be billed from this point on. The hourly rate will begin when the unit is back at the incident. Personnel are reimbursed as outlined in Section 17 of the Mobilization Plan.

**Other Fire Service Units: Mileage / Daily Rate**

Type	Daily Rate	Hourly Rate	Mileage Rate	Minimum Staffing
<b>Plow w/disc</b>	No	\$ 45.00	No	2
<b>Support</b>	No	\$ 65.00	Same as a Command Vehicle; SUV or Pickup	1
<b>Crash</b>	No	\$ 200.00		2
<b>Units Not Listed</b>	Negotiate	Negotiate	Negotiate	Negotiate

**Water Handling Supply Cache:**

Type	Equipment	Daily Rate	Reimbursement for Consumables
Towing Unit Only	None	Mileage or Daily	No
Trailer	Refer to Appendix "O" of the 2009 Mobilization Plan for a Water Handling Supply Cache inventory listing. Less than complete inventory will reduce the Daily Rate.	\$ 500.00	Yes and damaged equipment

**Towing Vehicle:** Paid the same as a unit towing a Type 1 or 2 Mobile Command Post.

**Staffing:** One person to staff Cache, who is responsible for checking equipment in and out, maintaining inventory control. Expectation is that the vehicle/staff may be used for deliveries and errands.

**Compensable Vehicle Cost:**

**Compensable Time (On-Shift):** Includes reasonable travel from point of hire to the incident and return to the point of hire from the incident upon release; travel between the incident base and assigned work location; and for specifically directed work. Specific work includes, but is not limited to, assigned suppression work, assigned staging and/or readiness, and assigned support activities. Engines will not be compensated for more time than the crew operating the apparatus.

**Paid As Ordered:** Units are paid based on the resource order. If a unit has the ability to operate in an upgraded capacity, and the assignment requires the unit to operate in the upgraded capacity, the unit will be compensated at the appropriate rate and the resource order will need to be revised.

**Mileage and Daily Rate:** Vehicles used for transportation to and from a mobilization event will be paid at the Washington State Travel Regulations and Rates. Vehicles used for transportation on the incident will be paid a daily rate or rate per mile, whichever is higher depending upon the type of vehicle.

**Mechanical Failure:** The cost of mechanical or other physical damage repair is deemed to be included within the cost of the "wet rate" paid for apparatus. There is no reimbursement for these costs.

**Fuel/Oil/Maintenance Cost:** Fuel, oil, and maintenance costs that are chargeable to state mobilization units will be deducted from the units' payment.

**Compensable Time – Minimum Guarantee Engines:** For engines, a minimum of 5 hours of "working" time will be paid per 24-hour period for firefighting apparatus, even if actual hours worked (assigned) is less, provided that the apparatus is in service (response ready). This minimum "working" time provision does not apply to travel days to or from the incident.

**Fuel Cost Adjustment:** The Washington Fire Chiefs Rate Schedule provides for a Fuel Cost Adjustment (FCA). This adjustment will provide agencies the ability to obtain reasonable relief from sudden and unforeseen increases in fuel prices. The increase in fuel costs could significantly reduce an agency's ability to respond to a Mobe. The FCA will be calculated using published weekly fuel prices found at:

<http://www.eia.gov/oog/info/gdu/gasdiesel.asp>



**Where to find the weekly fuel rate:**

The weekly price for diesel is found in the center of the page between the graphs.

The weekly price of diesel as posted every Monday is shown by Regions. The price for fuel that will be reimbursed by Mobilization will be the rate shown for the West Coast.

Using the chart to the right, the average price of diesel fuel for the week of May 9, 2011 is \$4.307. The price will be rounded to the nearest penny.

To eliminate confusion, the price for diesel will be the only rate used, even if the vehicle operated runs on regular gas

Diesel Fuel (Dollars per Gallon)			
	05/09/11	Change from	
	Price	Week Ago	Year Ago
U.S.	4.104	↓ -0.020	↑ 0.977
East Coast	4.117	↓ -0.011	↑ 0.981
New England	4.218	↓ -0.013	↑ 1.057
Central Atlantic	4.248	↓ -0.021	↑ 1.002
Lower Atlantic	4.052	↓ -0.007	↑ 0.965
Midwest	4.066	↓ -0.020	↑ 0.964
Gulf Coast	4.022	↓ -0.038	↑ 0.935
Rocky Mountain	4.156	0.000	↑ 0.987
<b>West Coast</b>	<b>4.307</b>	↓ -0.021	↑ 1.074
California	4.459	↓ -0.006	↑ 1.190

Appendix N  
State Chiefs Rate Schedule

2009 Version - Mobilization Plan (Updated June 2011)

**How the Fuel Cost Adjustment Works:** The Base Rate is predicated upon the price of fuel to be less than \$2.76 a gallon. To ensure that agencies are appropriately reimbursed, the hourly rate increases by the average fuel cost increase.

For a response to a Fire Mobilization, the Equipment Time Recorder will use the base rate as the rate to be paid. Once the Mobilization has ended, the State Fire Marshal's Office will adjust the rate according to the rates published in Fuel Cost Adjustment section above. The Agency will be notified of any change to the rate which equipment is reimbursed.

**Example:** A Type 3 Engine responds to a Fire Mobilization. The engine works the following hours per day for the five days mobilized. The cost for diesel is at an average \$ 4.31 (from website above).

The base rate is \$ 80.00, but since the average cost is more than the base rate, the equipment will be paid at the adjusted rate of \$ 90.50.

Type	Base Rate	\$ 2.76	\$ 3.01	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26
		Between						
		\$ 3.00	\$ 3.25	\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50
3	\$ 80.00	\$ 81.50	\$ 83.00	\$ 84.50	\$ 86.00	\$ 87.50	\$ 89.00	\$ 90.50

Average cost of fuel is: \$ 4.31

Engine Rate is adjusted from \$80.00 an hour to \$90.50 an hour.

**Note:** Your paperwork from the Mobilization may reflect the base rate of \$80 an hour for equipment, it will be adjusted to the correct rate when processed and audited.

**Command Vehicles:**

Command Vehicle rates will be applicable when an individual in any of the following positions uses the vehicle: Incident Commander, Branch Director, Operations Section Chief, Division/Group Supervisor, Structural Protection Specialist, Strike Team/Task Force Leader, and Communication Technicians.

Vehicle payment will be calculated for each day, and will be paid for either the daily rate or mileage, whichever is higher.

**Example:** An Operations Section Chief responding to an incident. The Operations Section Chief drives an SUV and records the daily mileage for each of the 4 days spent at the incident before demobilized and drives home.

**Daily Rate**

Type	Daily Rate
SUV, Pickup, All Other	\$ 50.00

Appendix N  
State Chiefs Rate Schedule

2009 Version - Mobilization Plan (Updated June 2011)

Mileage

Type	Daily Rate	Base Mileage Rate	\$ 3.26	\$ 3.51	\$ 3.76	\$ 4.01	\$ 4.26	\$ 4.51
			Between					
			\$ 3.50	\$ 3.75	\$ 4.00	\$ 4.25	\$ 4.50	\$ 4.75
SUV, Pickup	\$50.00	\$1.06	\$ 1.08	\$ 1.10	\$ 1.12	\$ 1.14	\$ 1.16	\$ 1.18
All Other	\$50.00	\$0.73	\$ 0.75	\$ 0.77	\$ 0.79	\$ 0.81	\$ 0.83	\$ 0.85

Average cost of fuel is: \$ 4.31 – Reimbursement Rate for an SUV is \$ 1.16 a mile.

Example of how the Fuel Cost Adjustment and being reimbursed for Mileage or the Daily Rate.

Day	Miles	Mileage Rate	Sub-Total	Daily Rate	Mileage or Daily Rate	Amount Paid
1	120	\$ 1.16	<b>\$ 139.20</b>	\$ 50.00	Mileage	\$ 139.20
2	20	\$ 1.16	\$ 23.20	<b>\$ 50.00</b>	Daily	\$ 50.00
3	0	\$ 1.16	\$ -	<b>\$ 50.00</b>	Daily	\$ 50.00
4	75	\$ 1.16	<b>\$ 87.00</b>	\$ 50.00	Mileage	\$ 87.00
<b>Total</b>						\$ 326.20

The numbers bolded above show which was used, the Mileage or Daily Rate.

All Other Vehicles:

All Other Vehicles used for transportation from point of dispatch to the mobilization event and back will be reimbursed for mileage to and from only. The rate for mileage will be that as posted by the U.S. General Services Administration at <http://www.gsa.gov/portal/content/100715>. The current rate was established as of 1/1/2011.

Daily Rate

Type	Daily Rate
SUV, Pickup, All Other	None

All Other Vehicles: Mileage

Type	Base Mileage Rate
SUV, Pickup, Other	\$ 0.51

Appendix N  
State Chiefs Rate Schedule

2009 Version - Mobilization Plan (Updated June 2011)

**Dozers: (Rates Shown are Hourly Rates)**

Type	Power Class	FWHP Range	Rate With Operator	Daily Guarantee	Rate w/o Operator	Daily Guarantee
1A	Heavy	Over 300	\$ 222.67	\$1,113.33	\$ 178.33	\$ 891.67
1B	Heavy	250 – 299	\$ 191.00	\$ 955.00	\$ 146.67	\$ 733.33
1C	Heavy	200 – 249	\$ 167.67	\$ 838.33	\$ 123.33	\$ 616.67
2A	Medium	150 – 199	\$ 132.67	\$ 663.33	\$ 88.33	\$ 441.67
2B	Medium	100 – 149	\$ 114.33	\$ 571.67	\$ 70.00	\$ 350.00
3	Light	Under 100	\$ 92.67	\$ 463.33	\$ 48.33	\$ 241.67

**Dozers: Standard Method of Hire**

1. All operating supplies, including fuel
2. Hourly work rate
3. One operator
4. Service Vehicle included in rate
5. Size/Weight Permits and pilot vehicle cost are part of the wet rate.

When a lowboy and another piece of equipment, such as a dozer, etc. are hired, and both pieces of equipment utilize the same operator, the hourly rate for the lowboy will be deducted by \$ 37.33.  
**(Does not match NIMS Typing for Dozers)**

**Skidders: (Rates Shown are Hourly Rates)**

Type	Power Class Horse Power	Rate With Operator	Daily Guarantee	Rate w/o Operator	Daily Guarantee
1	200 - 274	\$ 156.00	\$ 780.00	\$ 111.67	\$ 558.33
2	140 - 199	\$ 116.00	\$ 580.00	\$ 71.67	\$ 358.33
3	100 - 139	\$ 101.83	\$ 509.17	\$ 57.50	\$ 287.50
4	81 - 99	\$ 86.83	\$ 434.17	\$ 42.50	\$ 212.50
5	0 - 80	\$ 81.83	\$ 409.17	\$ 37.50	\$ 187.50

**Skidders: Standard Method of Hire**

1. All operating supplies, including fuel
2. Hourly work rate
3. One operator
4. Service Vehicle included in rate
5. Size / Weight Permits and pilot vehicle cost are part of the wet rate.

After 2010 Skidders will be on a Region 6 contract. Use of non-contract Skidders shall only be used as a last resort.

When a lowboy and another piece of equipment, such as a dozer, etc. are hired, and both pieces of equipment utilize the same operator, the hourly rate for the lowboy will be deducted by \$ 37.33.  
**(No NIMS Typing for Skidders)**

**Excavators: (Rates Shown are Hourly Rates)**

Type	Power Class Horse Power	Rate with Operator	Daily Guarantee	Rate w/o Operator	Daily Guarantee
1	Over 230	\$ 187.67	\$ 938.33	\$ 143.33	\$ 716.67
2	161 – 230	\$ 142.67	\$ 713.33	\$ 98.33	\$ 491.67
3	136 – 160	\$ 126.00	\$ 630.00	\$ 81.67	\$ 408.33
4	111 – 135	\$ 117.67	\$ 588.33	\$ 73.33	\$ 366.67
5	86 – 110	\$ 105.17	\$ 525.83	\$ 60.83	\$ 304.17
6	76 – 85	\$ 97.67	\$ 488.33	\$ 53.33	\$ 266.67
7	61 – 75	\$ 91.00	\$ 455.00	\$ 46.67	\$ 233.33
8	50 – 60	\$ 87.67	\$ 438.33	\$ 43.33	\$ 216.67

**Excavators: Standard Method of Hire**

1. All operating supplies, including fuel
2. Hourly work rate
3. One operator
4. Service Vehicle
5. Size / Weight Permits and pilot vehicle cost are part of the wet rate.

When a lowboy and another piece of equipment, such as a dozer, etc. are hired, and both pieces of equipment utilize the same operator, the hourly rate for the lowboy will be deducted by \$ 37.33.

**(Does not match NIMS Typing for Excavators)**

**Motor Graders: (Rates Shown are Hourly Rates)**

Type	FWHP Range	Rate With Operator	Daily Guarantee	Rate w/o Operator	Daily Guarantee
1	Over 200	\$ 121.00	\$ 605.00	\$ 50.42	\$ 252.08
2	145 – 199	\$ 110.17	\$ 550.85	\$ 45.90	\$ 229.52
3	115 – 144	\$ 100.17	\$ 500.85	\$ 41.74	\$ 208.69
4	75 – 114	\$ 91.83	\$ 459.15	\$ 38.26	\$ 191.31

**Motor Graders: Standard Method of Hire**

1. All operating supplies, including fuel
2. Daily work rate
3. One operator
4. Service Vehicle

When a lowboy and another piece of equipment, such as a dozer, etc. are hired, and both pieces of equipment utilize the same operator, the hourly rate for the lowboy will be deducted by \$ 37.33.

**(No NIMS Typing for Graders)**

**Backhoes: (Rates Shown are Hourly Rates)**

Type	FWHP Range	Caterpillar Equivalent	Bucket Capacity (Yards)	Rate With Operator	Daily Guarantee
1	82 to 110	446B	1.25	\$ 105.00	\$ 525.00
2	66 to 88	420D	1.25	\$ 94.00	\$ 470.00
3	66 to 88	420D IT	1.25	\$ 84.00	\$ 420.00
4	58 to 77	416D	1.25	\$ 76.00	\$ 380.00

**Backhoe: Standard Method of Hire**

1. All operating supplies, including fuel
2. Hourly work rate
3. One Operator

When a lowboy and another piece of equipment, such as a dozer, etc. are hired, and both pieces of equipment utilize the same operator, the hourly rate for the lowboy will be deducted by \$ 37.33.

**(Matches NIMS Typing for Backhoes)**

**Dump Trucks: (Rates Shown are Hourly Rates)**

Type	Gross Weight Rating (In Pounds)	Axles	DOT Class	Capacity (Yards)	Rate With Operator	Daily Guarantee
1	80,000	4	8	16 to 20	\$ 86.50	\$ 432.50
2	60,000	3	8	10 to 14	\$ 82.33	\$ 411.67
3	32,000	2	7	5 to 8	\$ 65.17	\$ 325.83

**Dump Trucks: Standard Method of Hire**

1. All operating supplies, including fuel
2. Daily work rate
3. One Operator

When a dump truck is used both as a dump truck and transport for heavy equipment (provides a tilt bed trailer), use the rate with trailer as provided in the Heavy Transport section.

**(Matches NIMS Typing for Dump Trucks)**

**Buses:**

Type	Passenger Capacity	Rate Per Mile	Daily Guarantee
1	Coach 39 + or Bus 25 +	Negotiate	Negotiate
2	Bus 12 to 24	\$ 1.26	\$ 50.00
3	Bus 6 to 12	\$ 0.92	\$ 37.00

**Buses: Standard Method of Hire**

1. Daily Guarantee = 50 Miles
2. Vendor may/may not supply Operating supplies

**(Matches NIMS Typing for Crew Transport – Firefighting Crew)**

**Water Trucks – Dust Abatement: (Rates Shown are Hourly Rates)**

Minimum Gallons	Spray Type	Rate With Operator	Daily Guarantee	Rate w/o Operator	Daily Guarantee
1,000	All	\$ 66.00	\$ 330.00	\$ 31.00	\$ 155.00
2,500	All	\$ 94.33	\$ 471.67	\$ 57.00	\$ 285.00
5,000	All	\$ 106.33	\$ 531.67	\$ 69.00	\$ 345.00

**Water Trucks – Dust Abatement: Standard Method of Hire**

1. All operating supplies, including fuel
2. Hourly work rate
3. One Operator

After 2010 Water Trucks will be on a Region 6 contract. Use of non-contract Water Trucks shall only be used as a last resort.

A water truck for dust abatement is required to have, as a minimum:

- Eight (8) foot wide spray capability (pressure or gravity).
- 100-gallon per minute (gpm) self-loading capability.

**(No NIMS Typing for Water Trucks – Dust Abatement)**

**Heavy Equipment Transport Vehicles\*: (Rates Shown are Hourly Rates)**

Size	Separate Operator From Equipment	Daily Guarantee	One Operator for both pieces of Equipment	Daily Guarantee
Pickup / Trailer Under 10 Tons	Negotiate	Negotiate	Negotiate	Negotiate
10 to 19.99 Tons	\$ 57.50	\$ 287.50	\$ 20.17	\$ 100.85
20 to 29.99 Tons	\$ 64.00	\$ 320.00	\$ 26.67	\$ 133.35
30 to 39.99 Tons	\$ 75.00	\$ 375.00	\$ 37.67	\$ 188.35
40 to 49.99 Tons	\$ 81.00	\$ 405.00	\$ 43.67	\$ 218.35
Over 50 Tons	\$ 92.00	\$ 460.00	\$ 54.67	\$ 273.35
Dump truck / Tilt Bed, All Tonnage	\$ 63.33	\$ 316.67	\$ 20.17	\$ 100.85

\* Includes Truck Tractor and Trailer

**Heavy Equipment Transport Vehicles: Standard Method of Hire**

1. Licensed Common Carrier: Pay Tariff Rates or a pre-negotiated rate.
  - a. A field order number should be issued to the UTC carriers.
2. Owner-Operated Transport Hauling Own Equipment to the Fire:
  - a. Use hourly rental rates from table below.
3. Agree on starting time at time of dispatch.
4. Dump Truck rate applies if transport is used as a Dump truck with no trailer.
5. Size / Weight Permits and pilot vehicle cost are part of the wet rate.

**(No NIMS Typing for Heavy Equipment Transport Vehicles)**

**Vehicle with Operator:**

Type of Vehicle Ordered With Driver	Hourly Rate Driver	Mileage Rate 4 x 2 Vehicle	Mileage Rate 4 x 4 Rate
Car	\$ 14.00	\$ 0.60	\$ 0.67
Light Utility	\$ 14.00	\$ 0.67	\$ 0.73
Pickup, SUV	\$ 14.00	\$ 0.79	\$ 1.06
Full Size Pickup (1 ton or more)	\$ 14.00	\$ 0.93	\$ 1.14
2 Ton or more (stake truck)	\$ 14.00	\$ 1.58	\$ 1.79

**Note:** In order to receive 4x4 reimbursement the vehicle shall be ordered as a 4x4.

**Vehicle with Operator: Standard Method of Hire:**

- Hourly Rate includes vehicle and operator, fuel, all supplies and applicable.
- In addition to the Hourly Rate, the vehicle is paid mileage from the rate chart below.
- Driver and Vehicle must have valid insurance.
- Driver is eligible for overtime after working 40 hours in a 7 day period.

**(No NIMS Typing for Vehicle with Operator)**

**Fuel Trucks: (Rates Shown are Hourly Rates)**

Minimum Gallons	Accepts Credit Cards		Does Not Accept Credit Cards	
	Hourly Rate	Additional Operator	Hourly Rate	Additional Operator
1,000	\$ 114.83	\$ 33.33	\$ 77.67	\$ 33.33
2,500	\$ 140.08	\$ 33.33	\$ 97.67	\$ 33.33
3,500	\$ 143.42	\$ 33.33	\$ 103.67	\$ 33.33
5,000	\$ 155.50	\$ 33.33	\$ 114.67	\$ 33.33

**Fuel Trucks: Standard Method of Hire**

- All operating Supplies, including Fuel.
  - Hourly rate
  - One Operator
- Dispensed petroleum products rate to be negotiated separately.  
Minimum Tank Capacity includes combined sum of all tanks, i.e. diesel and gas.

**(No NIMS Typing for Fuel Trucks)**

**All Terrain Vehicles (ATV's):**

Type	Daily Rate
4-Wheel Drive	\$ 70.00

**ATV: Standard Method of Hire**

- Daily/dry
- Without operator
- Hire only ATVs with at least four wheel
- Flat rate regardless of hours operated.

**(No NIMS Typing for ATV's)**

**Gator:**

Type	Daily Rate
6 Wheel Vehicle	\$ 85.00

**Gator: Standard Method of Hire**

1. Daily / dry
2. Without operator
3. Flat rate per day on the fireline regardless of hours operated.

**(No NIMS Typing for Gators)**

**Portable Pumps:**

Type	Size	Minimum GPM	Type	Daily Rate	Weekly Rate
1	6" - 15.2 cm	500	Volume pump, trailer mounted	\$ 250.00	\$ 600.00
2	4" - 10.2 cm	250	Volume (trash) pump	\$ 80.00	\$ 265.00
2	3" - 7.6 cm	250	Volume (trash) pump	\$ 60.00	\$ 180.00
2	2" - 5.1 cm	250	Pressure pump	\$ 50.00	\$ 150.00
3	1 1/2" - 3.8 cm	50	Pressure pump	\$ 20.00	\$ 50.00

There will be no payment for pumps unless the pump is hired through the resource order system.

**Portable Pumps: Standard Method of Hire**

1. Dry Daily Rate is for each day (24 hours)
2. Without Operator

**(Does not completely comply with NIMS Typing for Pumps)**

**Farm Equipment - Agriculture Tractors**

Tractor Size By Horsepower	Hourly Rate With Operator
Under 350 HP	\$ 217.00
350 to 399 HP	\$ 225.00
400 to 449 HP	\$ 239.00
450 to 499 HP	\$ 281.00
500 + HP	\$ 292.00

**Farm Equipment - Agriculture Tractors: Standard Method of Hire**

1. All operating supplies, including fuel
2. Hourly work rate
3. One Operator
4. Size/Weight Permits and pilot vehicle cost are part of the wet rate.

**(No NIMS Typing for Farm Equipment – Agricultural Tractors)**

**Farm Equipment – Disc**

Disc Size	Hourly Rate
14 feet or Less	\$ 10.50
15 to 17 feet	\$ 22.50
18 to 19 feet	\$ 26.50
20 to 22 feet	\$ 28.00
23 to 25 feet	\$ 34.50
26 to 28 feet	\$ 40.00
29 + feet	\$ 42.00

**Farm Equipment - Disc: Standard Method of Hire**

1. Pulled by Tractor (Paid separately)
  2. All operating supplies
  3. Hourly work rate
- (No NIMS Typing for Farm Equipment – Disc)**

**Faller and Chain Saw: Preferred Method of Hire**

Size Class	Hourly Rate	Daily Guarantee
Faller (All Classes)	\$ 54.17	\$ 270.83

**Chain Saw with Operator: Standard Method of Hire**

1. All operating supplies, including fuel
  2. With Operator (operator/professional faller)
  2. Hourly Rate
  4. Transportation cost included in hourly rate
- (No NIMS Typing for Faller and Chain Saw)**

**Faller Module:**

When the method of hire is faller module, the module shall provide for either one or two fallers (as ordered), the equipment and transportation necessary for falling fire damaged and hazardous trees on wildland incidents. The contractor shall furnish all services, equipment (including PPE), supplies, transportation, insurance and trained personnel necessary to ensure safe and efficient service at the incident. The chainsaw(s) required shall be at least one saw per faller with a minimum of 67cc. All maintenance, repairs and operating supplies shall be the responsibility of the contractor.

The hourly rates shall include all labor, equipment, supplies, transportation and insurance (personal health, vehicle and when required, workers comp). The hourly rate will be paid for all “on shift work”. On shift is defined as actual time spent working (inclusive of ordered standby) as well as travel from point of hire to incident and return, and from the incident base to the fire line and return.

**Swampers:**

Swampers may be ordered by the incident to work with fallers, for transporting extra equipment needed to handle old growth or problem trees. The only method of hire for a swamper is as a contractor, they will not be hired as part of the chainsaw module. The Swamper rate will not be upgraded to fallers on the Incident after being signed up as Swampers.

**Fallers with Vehicle: Least Preferable Method of Hire**

Position	Regular Rate	Overtime Rate
Faller - Class A (up to 12" DBH)	\$ 14.00	\$ 21.00
Faller - Class B (up to 24" DBH)	\$ 17.00	\$ 25.50
Faller – Class C (24" DBH or more)	\$ 21.00	\$ 31.50
Swamper	\$ 14.00	\$ 21.00

Overtime Rate is after 40 hours of Regular Rate hours have been worked within a 7 consecutive day period.

**(No NIMS Typing for Fallers or Swamper)**

**Fallers with Vehicle: Least Preferable Method of Hire**

Fallers Equipment	Mileage or Daily Rate	Rate	Mileage or Daily Rate
Vehicle	Mileage Only	\$ 0.50	Per mile regardless of vehicle type
Chain Saw	Daily Rate	\$ 150.00	Daily Rate regardless of hours operated. Only one saw per operator.

**Faller with Vehicle: Standard Method of Hire**

1. All operating supplies, including fuel.
2. Daily Rate for saw – only one saw per faller – regardless of hours operated.
3. Faller Rates – refer to Personnel Rates – Skilled Labor section
4. In addition to hourly rate for the faller/swamper
5. Covers mileage to, from and while at the fire, use rates from chart below.

**(No NIMS Typing for Faller Equipment)**

**Shop (Service) Trucks: (Rates Shown are Hourly Rates)**

Rate With One Mechanic	Hourly Mechanics Helper Rate	Daily Guarantee
\$ 85.33	\$ 32.67	\$ 426.67

**Shop (service) Truck: standard Method of Hire**

1. All operating supplies
2. Wet Rate
3. Hourly work rate with a 5-hour guarantee
4. One certified mechanic hourly

**(No NIMS Typing)**

After 2010 Shop (Service) Trucks will be on a Region 6 contract. Use of non-contract Shop (Service) Trucks shall only be used as a last resort.

**Mechanic with Tools & Pickup: (Rates Shown are Hourly Rates)**

Rate With One Mechanic	Hourly Mechanic's Helper Rate	Daily Guarantee
\$ 57.33	\$ 32.67	\$ 286.67

**Mechanic with Tools and Pickup**

1. All operating Supplies, including Fuel
  2. Hourly work rate with a 5-hour guarantee
  3. One certified mechanic hourly
- (No NIMS Typing)**

After 2010 Mechanic with Tools will be on a Region 6 contract. Use of non-contract Mechanic with Tools shall only be used as a last resort.

**Light Towers: (Trailer Mounted)**

Type	Daily Rate	Weekly Rate
Light Tower (mobile)	\$ 105.00	\$ 325.00

**Light Tower (if hired from a non-commercial entity)**

1. Dry Rate
2. Without operator
3. Allow for delivery charges

**Contract Fire Engines without a Use Contract:**

4 x 2 Engine			Full Crew Rate		Missing One Crew Member	
Type	Minimum		Hourly Rate	Daily Guarantee	Hourly Rate	Daily Guarantee
	Pump GPM	Tank in Gallons				
7	10	50	\$ 94.50	\$ 472.50	N/A	N/A
6	30	150	\$ 102.67	\$ 513.33	N/A	N/A
5	50	400	\$ 129.50	\$ 647.50	\$ 110.50	\$ 552.50
4	50	750	\$ 134.17	\$ 670.83	\$ 115.17	\$ 575.83
3	150	500+	\$ 142.33	\$ 711.67	\$ 123.33	\$ 616.67

4 x 4 Engine			Full Crew		Missing One Crew Member	
Type	Minimum		Hourly Rate	Daily Guarantee	Hourly Rate	Daily Guarantee
	Pump GPM	Tank Gallons				
7	10	50	\$ 102.67	\$ 513.35	N/A	N/A
6	30	150	\$ 112.00	\$ 560.00	N/A	N/A
5	50	400	\$ 140.00	\$ 700.00	\$ 121.00	\$ 605.00
4	50	750	\$ 145.83	\$ 729.15	\$ 126.83	\$ 647.17
3	150	500+	\$ 156.33	\$ 781.65	\$ 137.33	\$ 686.67

**Contract Fire Engines without a Use Contract: Standard Method of Hire**

1. All operating supplies, including fuel
2. No additional payment for foam use.
3. Hourly work rate – unless have a valid contract – then honor the established rates.
4. Staffing:
  - Type 6 and 7 staffed with 2 people (operator and crew).
  - Type 3, 4 and 5 staffed with 3 people (operator and 2 crew).

**Note:** When a Type 3, 4 or 5 Engine has only 2 people, hourly payment is reduced by \$19 an hour.

After 2010 Fire Engines will be on a Region 6 contract. Use of non-contract Fire Engines shall only be used as a last resort.

**Contract Tenders without a Current Contract: (Rates Shown Are Hourly Rates)**

Type	Minimum Tank Gallons	Rate With Operator	Daily Guarantee	Rate w/o Operator	Daily Guarantee
3	1,000	\$ 80.00	\$ 400.00	\$ 45.00	\$ 225.00
2	2,500	\$ 102.33	\$ 511.67	\$ 65.00	\$ 325.00
2	3,500	\$ 111.33	\$ 556.67	\$ 74.00	\$ 370.00
1	5,000	\$ 119.33	\$ 596.67	\$ 82.00	\$ 410.00

After 2010 Water Tenders will be on a Region 6 contract. Use of non-contract Water Tenders shall only be used as a last resort.

**Standard Method of Hire**

1. All operating supplies, including fuel
2. No additional payment for foam use.
2. Hourly work rate – unless have a valid contract – then honor the established rates.
3. Water tenders staffed with one operator, if working two shifts, need a second driver.

**Contract Water Equipment:**

1. Determine whether the unit is an engine or a tender.

**Engine:** Self-propelled unit with a suitable tank, pump, hose, nozzle, plus other accessories necessary to be a well-equipped independent unit, including minimum required hose and hand tools for fire protection. (See Engine/Tender Inventories/Accessories list on pages 23 & 24.)

**Water Tender:** Any ground vehicle capable of transporting 1,000 gallons or more of water. Tenders should be self-filling and have one of the following: 1) a transfer type pump; and/or 2) a quick dump valve.

2. **Engine Type:** Is determined by meeting both the minimum requirements (pump capacity [GPM] and tank capacity [gallons]). If an engine only meets one of the minimum requirements, engine is classified at the lowest minimum requirement met. For example: GPM is 70 and tank capacity is 200, the engine would be classified a Type 6; GPM is 20 and tank capacity 750, the engine would be classified Type 7; GPM is 70 and tank capacity is 750, the engine would be classified a Type 4.
3. **All-Wheel Drive Allowances:** Use the rate tables. Determine the appropriate rate by type of unit and tank capacity. If you specifically order 2-wheel drive units and all-wheel drive is not necessary, do not pay the all-wheel drive rate.
4. **Structural Fire Fighting Equipment:** No payment shall be made for structural firefighting equipment.
5. **Staffing Requirements:** (per hour operated)  
Type 6 and 7 engines require 1 engine leader and 1 firefighter.  
Type 3, 4 and 5 engines require 1 engine leader and 2 firefighters.  
A tender requires one operator.

Engines and tenders are not normally hired with more than the required number of operators/firefighters.

### Payment Provisions – Non-Washington Fire Service

All equipment hired by the State will be paid according to the Washington State Chief Rate Schedule. If equipment is hired under contracted rates, a copy of the contract must be attached to the OF-286 - Emergency Equipment Use Invoice (EEUI). A W-9 form must be completed at time of initial hire.

### Rental Rates

Pay Rates are listed in the rate tables. Transports licensed as common carriers are paid based on the tariff schedule. Pay for equipment rented at hourly rates accrues only when the equipment is under hire and on shift.

### Equipment Not Listed

Equipment not listed should be hired at rates listed in the Pacific Northwest Interagency Emergency Equipment Rental Rates. If the equipment is not listed in this rate table, the rates should be rented at a reasonable negotiated rate. Reasonable means a rate comparable to that paid for equipment listed that is similar in type, size or function. If this is a Mobilization incident, negotiations should include at least the Incident Commander and the Finance Section Chief or Incident Commander must document the negotiation. Rates in the rate tables are for new, or like new, equipment.

### Hire at Wet Rates

Wet means the owners furnish all necessary fuel, maintenance and repairs due to ordinary use on an incident. Time for servicing and repair work is non-compensable. No rental will accrue during any period when equipment is inoperable. If State Fire Mobilization fuels or services equipment, a deduction for these services must be made on the Emergency Equipment Use Invoice, OF-286. Fuel tickets and/or repair orders shall be attached to the OF-286.

### Time Recording

The State Agent responsible for ordering and/or directing use of each piece of equipment shall keep time on an Emergency Equipment Shift Ticket rounded as follows:

Hourly Rate - nearest quarter hour (i.e., 10:06 am = 10:15 am)

Mileage Rate - nearest mile (i.e., 241.5 miles – 242 miles)

Record all time periods where the equipment is inoperable or unavailable.

All mileage, hourly or flat rate rental amounts will be kept on a daily basis. Mobilization and demobilization mileage/hours will be recorded separately.

The hours for all rented equipment shall be recorded on an Emergency Equipment Use Invoice, form OF-286. Make all entries on the OF-286 from a shift ticket signed by the Equipment Group Supervisor, Division Supervisor or Operations Section Chief. Hours worked shall be verified by contractor's or contractor's representative's signature.

### Time Under Hire

The time under hire shall start at the time the equipment begins traveling to the incident after being ordered by State Fire Mobilization, and end at the estimated time of arrival back to the point of hire after being released, except:

- If equipment is brought to the fire, made available and subsequently hired, none of the travel is allowed.
- Equipment that fails the pre-use inspection and is not in safe and operable condition will not be reimbursed for travel and is not considered under hire.

No payment will accrue during any period that equipment is not in a safe or operable condition or when Contractor / Owner -furnished operator(s) is not available for the assigned shift or portions of the assigned shift. Reimbursement will be based on the hours the equipment was operational during the assigned shift, as documented in the Incident Action Plan.

#### **Example:**

*The assigned shift in the Incident Action plan was from 0600 to 1800 hours (12 hours) and the equipment was broken down from 0900 to 1800 hours (9 hours) during the assigned shift. Therefore, the unit would be paid for 3 hours. The Daily Guarantee would not apply.*

If the owner withdraws equipment and/or operator(s) prior to being released by the State, no further payment shall accrue and the owner shall bear all costs of returning equipment and/or operator(s) to the point of hire.

### On Shift

On shift time for equipment hired by the hour includes time of actual work, time that equipment is held or directed to be in a state of readiness, and compensable travel (mobilization) that has a specific start and ending time. Transported equipment is not on shift while being transported and is not compensated for travel.

### Daily Guarantee

Daily guarantee for equipment hired by the hour is noted in the rate tables. Daily minimum guarantee applies only to equipment hired at an hourly rate and on incidents that require extended attack. The daily minimum payment is used in lieu of standby rates for equipment rental. A daily minimum will be paid to provide fair compensation when an operator/owner makes equipment available for use, but the resulting use is less than expected during a calendar day. If compensated hours are more than the daily minimum listed, then actual hours worked are to be paid. If compensated hours are less than the daily minimum listed, then the daily minimum hours are paid. Interagency contracts may have a guarantee that is different from daily minimum listed in the rate tables. Read the contracts for detail.

### Daily Rate

Fire Mobilization does not pay daily rates, only hourly rates.

### Vehicles Belonging to Operations Line Personnel, Fallers & Casuals

All Casual Hires (Includes Operations Line Personnel, Fallers and Overhead) will be reimbursed for their vehicle mileage using a Mobilization Expense Claim Form.

### **Transportation Vehicles with Operator**

Vehicle with Emergency Firefighter Operators hired for the sole purpose for the use of the vehicle should be paid at the daily rate plus mileage at the appropriate rate for the size class of vehicle. This rate includes vehicle, operator for one shift, fuel, supplies and applicable insurance.

### **Heavy Equipment/Transports**

When a lowboy and another piece of heavy equipment, such as a dozer, are provided with a single operator to operate BOTH pieces of equipment, adjustments to the payment amount will be made as follows: Dozer or other heavy equipment will be paid at the actual rate, and the transport rate will be reduced by \$ 37.33 an hour.

### **Service Vehicles**

The rate of pay shown for heavy equipment includes service vehicles. No additional payment will be made for a service vehicle (or operator) that accompanies the heavy equipment to the incident.

### **Pilot/Flag Vehicle(s)**

The pay rate includes pilot/flag vehicles. No additional payment will be made for pilot/flag vehicles or operators.

### **Required Personal Protective Equipment and Clothing**

- Boots, leather, lace-up type, minimum 8" high, with lug-type sole
- Hard Hat, PLASTIC, with chinstrap – 1 per person
- Gloves, leather - 1 pair per person
- Goggles – 1 pair per person
- Canteen, one-quart size - 1 per person
- Fire Shelters – 1 per person
- Flame Resistant Clothing (shirt and trousers)

### **Personnel Requirements**

- Minimum of 18 years old;
- Fully equipped with required personal protective equipment (PPE) and safety equipment (for a wildland event, need wildland gear); and
- Physically conditioned and fit to perform the tasks assigned.

## Required Inventory for Contract Engines

### Accessories required if the pump is operated by an auxiliary engine:

- Sufficient extra spark plugs to replace all plugs in engine in any auxiliary pump engines used
- 1 - wrench, adjustable, 10"
- 1 - wrench, spark plug, unless the adjustable wrench is suitable for use with spark plugs
- 1 - pliers, slip joint, 6"
- 2 - quarts oil, crankcase, if engine is the type that requires crankcase oil
- 1 - screwdriver, blade type, 4"
- 1 - screwdriver, phillips type, 4"
- 2 - rope starters, if engine can be started with a rope
- 1 - gun, grease (filled), if the pump type requires periodic greasing

These accessories shall be stored on or near the pump in a suitable compartment or box. A list of the contents shall be posted inside the compartment or box and be visible when the storage compartment is open.

### Mandatory Accessories For All Engines:

- Fuel to operate for 12 working hours
- 1 - suction screen to match capacity of pump
- 1 - spanner wrench, suitable to fit ALL sizes of hose supplied
- 1 - hose clamp
- 1 - compartment box for accessories with visible list of contents

### Minimum Engine Inventory:

**Hose:** 400' – 1-1/2"

**Pulaksi:** 2 each

**Backpack Pumps:** 2 each

**First Aid Kit:** 1 each, 5-person

**Double Male:** 1 each, 1-1/2" NH

**Double Male:** 1 each, 1" NPSH

**Gated Wye:** 4 each, 1-1/2" NH

**Shovels:** 2 each (size 0)

**Fire Hose Clamp:** 1 each

**Drinking Water:** 1 Gallon Canteen, filled

**Head Lamps:** 3 each (w/batteries)

**Double Female:** 1 each, 1-1/2" NH

**Double Female:** 1 each, 1" NPSH

**Reducers:** 4 each, 1-1/2" NH to 1" NPSH Male

**Nozzles:** Combination Fog/Straight Steam – 4 each, 1"

**Suction Hose with Screened Foot Valve or Strainer:** 24' of 2-1/2"

**Spanner Wrench:** Combination, 1 each, 1" to 1-1/2"

**Live Reel/Basket Hose:** 200', 1" NPSH

**Adapters:** 2 each, 1-1/2" NF Female to 1-1/2" NPSH Male

**Adapters:** 2 each, 1-1/2" NPSH female to 1-1/2" NH Male

**Adapters:** 2 each, ¼ turn to 1-1/2" NH (1 Female and 1 Male)

**Fire Shelter:** 1 per person (NFPA Approved)

**Fuel:** to operate pump and engine (minimum 5 gallons)

### Required Inventory for Contract Tenders

<b>Pump GPM:</b>		200gpm – all types
<b>Discharge Outlets:</b>	Type 1	2 each – 1-1/2” NH thread, 1 each – 2-1/2” NH thread
	Type 2 & 3	2 each, 1-1/2” NH thread
<b>Hose:</b>	All Types	200’ – 1-1/2” NH thread 30’ – 2-1/2” NH thread
<b>1” Combination Nozzle:</b>	All Types	1 each with 1-1/2” NH thread
<b>Suction Hose w/ Screened Foot Valve or Strainer:</b>	All Types	24’
<b>Adapters:</b>	All Types	2 each – ¼ turn 1-1/2” NH adapter (1 Female and 1Male) 1 each – 1-1/2” NH Double Male 1 each – 1-1/2” NH Double Female 1 each – 1-1/2” NH Gated Wye 2 each – 2-1/2” NH to 1-1/2”NH Reducer 2 each – 1-1/2” NH Female to 1-1/2” NPSH Male adapter

#### Firefighting Tools: (1 each)

- Shovel (size - 0)
- Pulaski
- Fire Shelter

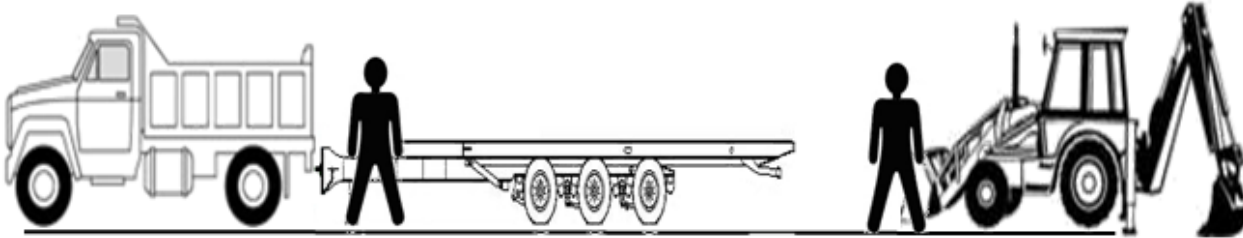
#### Mandatory Accessories Required to be with Each Tender:

- Fuel to operate the pump and engine for 12 working hours
- 1 (one) suction screen suitable to match the capacity of the pump
- 1 spanner wrench, suitable to fit each size hose supplied, including suction hose
- 1 hose clamp
- 1 hydrant wrench

#### The Following are Specific Safety Items Required for Vehicles:

- Reflective flairs, 1 set of 3
- Fire extinguisher (4BC or better)
- Wheel chocks

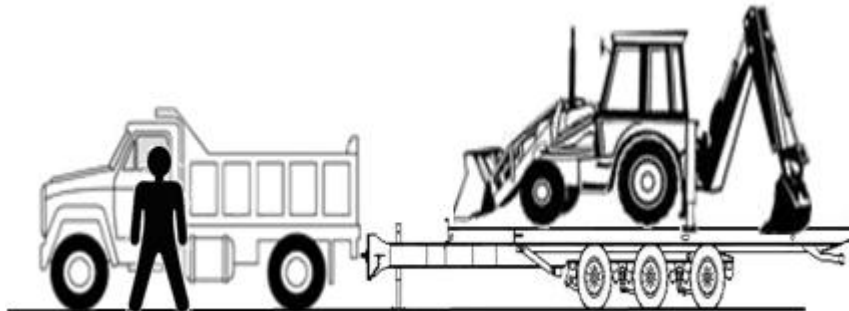
Example Payment of Heavy Equipment and Transport:



**One Operator for the Truck and a separate Operator for the Backhoe**

	Hourly Rate	Daily Guarantee
Dump Truck with Tilt Bed Trailer	\$ 57.50	\$ 287.50
Caterpillar 420D Backhoe	\$ 94.00	\$ 470.00

Hours Worked			Daily Sub-Total		
Truck	Backhoe		Truck	Backhoe	
3	5	Day 1	\$ 172.50	\$ 470.00	
1	11	Day 2	\$ 57.50	\$ 1,034.00	
1	11	Day 3	\$ 57.50	\$ 1,034.00	
4	1	Day 4	\$ 230.00	\$ 94.00	<b>Total</b>
			\$ 517.50	\$ 2,632.00	\$ 3,149.50



**One Operator for the Truck and Backhoe**

	Hourly Rate	Daily Guarantee
Dump Truck with Tilt Bed Trailer	\$ 20.17	\$ 100.85
Caterpillar 420D Backhoe	\$ 94.00	\$ 470.00

Hours Worked			Daily Sub-Total		
Truck	Backhoe		Truck	Backhoe	
3	5	Day 1	\$ 60.51	\$ 470.00	
1	11	Day 2	\$ 20.17	\$ 1,034.00	
1	11	Day 3	\$ 20.17	\$ 1,034.00	
4	1	Day 4	\$ 80.68	\$ 94.00	<b>Total</b>
			\$ 181.53	\$ 2,632.00	\$ 2,813.53

**Dozer: Types**



Type	Dozer Make	Model & Series	Type	Dozer Make	Model & Series
1A	Caterpillar	D8R, D8K, D8L, D8N, D9	2A	Massey Ferguson	MF D700C
1A	John Deere	1050	2A	New Holland	DC180
1A	Komatsu	D155, D275, , D355, D375	2B	Case	1150, 1450, 1650
1A	International/ Dresser	TD25	2B	Caterpillar	D5B/H/M/C/D, D5N, D6D,D6N
1A	New Holland	DC70	2B	John Deere	700, 750, 850
1A	Terex	82-50	2B	Komatsu	D41, D58, D53A, D60P, D65A
1B	Caterpillar	D7H High Track, D8H	2B	International/ Dresser	TD12, TD15
1B	Komatsu	D135A	2B	Massey Ferguson	MF500, MF D600C
1B	Terex	82-30, 82-40	2B	New Holland	DC100, DC150
1C	Caterpillar	D7R, D7G, D7H	3	Case	350, 450, 550, 650, 750, 850
1C	John Deere	950	3	Caterpillar	D3, D4, D5C, D5G
1C	Komatsu	D85E	3	Hyundai	H70, H80
1C	International/ Dresser	TD20	3	John Deere	350, 450, 550, 650
1C	Terex	82-20	3	Komatsu	D21, D31, D32, D37, D38, D39, D45
2A	Case	1850	3	International/ Dresser	500, TD6, TD7, TD8, TD9
2A	Caterpillar	D6R, D6H, D7F	3	Massey Ferguson	200, 2244, MF300, MF3366, MF400
2A	John Deere	850	3	New Holland	DC70, DC80
2A	Komatsu	D61, D65E, D68E, D85A			

**Skidder: Types**



Type	Skidder Make	Model & Series	Type	Skidder Make	Model & Series
1	FMC	220CA, 220GA	3	Caterpillar	518
1	Clark Ranger	668 Turbo, 880, F68	3	Garrett	21A Turbo, 22
1	Caterpillar	535B	3	Case	800 Series
1	Franklin	Q90, 190	3	International Harvester	S10
1	Timbco	260	3	Tree Farmer	C6F
2	John Deere	740, 740A, 520, 550, 550B, 640G	4	John Deere	440D, 448D, 540, 540A
2	Timberjack	460, 460D, 520, 550, 550B, 660, 660D	4	Timberjack	225 series, 230 series, 330
2	Clark Ranger	667, 668B, 668C, 668, H66DS, H67, H67-II	4	Clark Ranger	664, 664B
2	Caterpillar	528, 515, 525, 525B, 545	4	Massey Ferguson	320
2	Garrett	25A, 30, 30A	4	Garrett	21A
2	Franklin	Q70, Q80, 170, 185	4	Case	600
2	Tree Farmer	C7F	4	International Harvester	S8A
3	John Deere	548D, 640, 640D, 648D, 360, 380D, 404, 450, 540G	5	John Deere	440
3	Timberjack	240C, 240D, 240E, 350A, 360, 360D, 380D, 404, 450	5	Timberjack	208B, 208E
3	FMC	180	5	Garrett	16
3	Clark Ranger	665, 666, F65, H66			

**Excavators: Types**



Type	Make	Model & Series	Type	Make	Model & Series
1	Case	CS330, CX460, CX800, 9050B, 9060B	4	Caterpillar	318B, 318BL N, 318 CL, 318 CL N, 320B, 320BL, 320BN
1	Caterpillar	330CL, 345BL, 345BL II, 350L, 365BL, 375	4	Hyundai	R180LC-3, R210LC-3
1	John Deere	330C LC, 330LC, 370, 370C, 450C LC, 450LC, 600C LC	4	JCB	JS200, JS220
1	Hitachi	ZAXIS 330, 370, 450, 600, 800, EX450, 550, 600, 700	4	Komatsu	PC200-6B, PC200LC-6, PC228USLC-1, 2
1	Hyundai	R360LC-3, R450LC-3,	5	Case	CX130, CX135, CX160, 9010B, 9020B
1	JCB	JS450, JS460	5	Caterpillar	215, 315C, 315C, 315CL, 313B, 314C, 314CL, 315B,
1	Kobelco	SK300LC, SK330LC, SK400LC MARK IV, SK480LC	5	John Deere	120C, 135C, 160LC, 160C
1	Komatsu	PC300, PC400, PC450, PC600 series	5	Hitachi	ZAXIS 120, ZAXIS 160LC, RC260LC-5,
2	Case	CX240, CX290, 9040B, 9045B	5	Hyundai	R130LC-3, R160LC-3
2	Caterpillar	322CL, 325BL, 325CL, 330BL	5	JCB	JS160
2	John Deere	230LC, 230C LC, 270LC, 270C LC	5	Komatsu	PC120, PC128, PC138, PC150, PC160
2	Hitachi	ZAXIS 230, 270, 330, 370 series	6	Caterpillar	311B, 311C, 312B, 312BL
2	Hyundai	R250LC-3, R290LC-3, R320LC-3	6	John Deere	110
2	JCB	JS330	6	Hitachi	EX110-5, EX120-5
2	Kobelco	SK220LC MARK IV, SK250LC, SK270LC MARK IV, SK290LC	6	JCB	JS130
2	Komatsu	PC220LC-7, PC270LC-6, PC270LC-7, PC308USLC-3	6	Komatsu	PC95R-2, PC100-6, PC128U
3	Case	CX210, CX225	6	New Holland	EC130LC
3	Caterpillar	320C, 320CL, 320C U, 320CL U, 321C LCR, 322BL	7	Komatsu	PC95-1
3	John Deere	200C LC, 200LC, 225C LC	8	Case	CX75, 9007B
3	Hitachi	ZAXIS 200LC, EX230LC-5	8	Caterpillar	307B, 307C, 308C
3	JCB	JS260	8	John Deere	80, 80C
3	Komatsu	PC200LC-7, PC220LC-6, PC228USLC-3, PC250LC-6,	8	Hitachi	ZAXIS 80, EX80-5
4	Case	9030B, 9030BN	8	Komatsu	PC60-7, PC60-7B, PC78US-6

**Motor Graders: Types**



Type	Make	Model & Series	Type	Make	Model & Series
1	Case	885	2	New Holland	RG170, RG170B
1	Caterpillar	14H, 16H	2	Volvo	G720, G726 VHP, G730, G726B, G736
1	John Deere	772CH II	3	Case	845
1	Komatsu	GD670A-2C, GD750A-1, GD825A-2	3	Caterpillar	120H, 135H
1	New Holland	RG200, RG200B	3	John Deere	670C, 670C II, 670CH, 672CH
1	Volvo	G740, G740B, G746B, G780, G780B	3	Komatsu	GD530A-2C, GD555-3
2	Case	865	3	New Holland	RG140, RG140B
2	Caterpillar	12H, 140H, 143H, 160H, 163h	3	Volvo	G710, G710B, G716VHP
2	John Deere	670CH II, 672CH II, 770C, 770C II, 772CH	4	New Holland	RG80, RG100
2	Komatsu	GD650A-2C, GD650AW-2C, GD 655-3, GD675-3	4	Volvo	G60, G66, G80, G86

**Other Types of Equipment:**



**Front End Loader**



**Feller Buncher**



**Harvester**



**Skid Steer Loader**