



WASHINGTON STATE DEPARTMENT OF
Natural Resources

WAGE & EQUIPMENT RATE GUIDE

FOR

WILDFIRE RESOURCES

2014

Approved:

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Albert Kassel
Resource Protection Division Manager

4 / 3 / 14

Date



WASHINGTON STATE DEPARTMENT OF
Natural Resources

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INTERAGENCY WILDFIRE RESOURCE WAGE RATES WASHINGTON STATE

Refer to the Payment Provisions Section when completing the Emergency Firefighter Time Report,
Form OF-288

POSITION	HOURLY RATE REGULAR	HOURLY RATE OVERTIME	AD CLASS
<u>FIRELINE</u>			
Firefighter 2	14.00	21.00	C
Firefighter 1	16.00	24.00	
Single Resource Boss (Crew, Engine, Dozer)	18.41	27.62	F
<u>SKILLED LABOR</u>			
Computer Technical Specialist	19.77	29.66	G
Cook - Head Camp Cook	18.41	27.62	F
Dozer/Heavy Equipment Operator	22.10	33.15	H
Kitchen or Camp Helper	12.00	18.00	A
Radio Operator (Dispatcher)	12.49	18.74	B
Time Recorder/Receptionist	16.80	25.20	E
Truck Driver (1 ton or less)	12.49	18.74	B
Truck Driver (over 1 ton to 4 tons)	14.00	21.00	C
Truck Driver (over 4 tons or CDL required)	15.33	23.00	D
<u>SUPERVISORY</u>			
Aerial Observer	18.41	27.62	F
Air Ops Branch Director	29.88	44.82	K
Air Support Group Supervisor	27.39	41.09	J
Air Tactical Group Supervisor	27.39	41.09	J
Air Tanker Coordinator	27.39	41.09	J
Base Camp Manager	16.80	25.20	E
Command Staff (Type 1)	36.09	54.14	L
Command Staff (Type 2)	29.88	44.82	K
Contract Representative Northwest	19.77	29.66	G
Coordinator (Expanded Dispatch)	24.89	37.34	I
Crew Representative	19.77	29.66	G
Division Group Supervisor	27.39	41.09	J
Emergency Medical Technician Basic	19.77	29.66	G
Emergency Medical Technician Intermediate	19.77	29.66	G
Emergency Medical Technician Paramedic	27.39	41.09	J
Equipment Manager	16.80	25.20	E
Fire Behavior Analyst	27.39	41.09	J

POSITION	HOURLY RATE REGULAR	HOURLY RATE OVERTIME	
Fireline Explosives Advisor	29.88	44.82	K
Fireline Explosives Blaster In-Charge	22.10	33.15	H
General Staff (Type 1)	36.09	54.14	L
General Staff (Type 2)	29.88	44.82	K
Helibase Manager (Type 1)	24.89	37.34	I
Helibase Manger (Type 2)	22.10	33.15	H
Helicopter Coordinator	24.89	37.34	I
Human Resource Specialist	19.77	29.66	G
Incident Medical Specialist Manager	22.10	33.15	H
Incident Medical Specialist Technician	19.77	29.66	G
Information Officer (Type 2)	29.88	44.82	K
Information Officer (Type 3)	19.77	29.66	G
Infrared Interpreter	19.77	29.66	G
Ordering Manager	16.80	25.20	E
Prevention Team Leader	29.88	44.82	K
Prevention Team Member	22.10	33.15	H
Resource Advisor	24.89	37.34	I
Security Manager	16.80	25.20	E
Staging Area Manager	18.41	27.62	F
Strike Team Leader	19.77	29.66	G
Structural Protection Specialist	27.39	41.09	J
Task Force Leader	19.77	29.66	G
Unit Leader	22.10	33.15	H
Water Handling Specialists	18.41	27.62	F
Weather Observer	16.80	25.20	E

For positions not listed above, use the Federal to State Conversion Table

FEDERAL TO STATE CONVERSION TABLE

Federal AD Class	Federal Hourly Rate	Equivalent State Regular Rate	Equivalent State Overtime Rate
A	14.36	12.00	18.00
B	15.80	12.49	18.74
C	17.60	14.00	21.00
D	19.40	15.33	23.00
E	21.28	16.80	25.20
F	23.28	18.41	27.62
G	25.36	19.77	29.66
H	28.44	22.10	33.15
I	31.48	24.89	37.34
J	34.64	27.39	41.09
K	38.04	29.88	44.82
L	45.64	36.09	54.14

M	54.24	40.54	60.87
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EQUIPMENT RATES

Refer to the Payment Provisions when completing the Emergency Equipment Use Invoice OF-286.

DOZERS AND SKIDDERS

1. Use the horsepower class table and the equipment lists on the following pages to determine the appropriate rate. For equipment not listed, compare similar equipment in higher and lower power classes to assist in determining the rate.
2. Net Flywheel Horsepower is for an engine operating under SAE conditions, with standard engine accessories: muffler, blower fan, air cleaner, and water pump, lubricating pump, fuel pump and alternator. SAE Conditions: Sea level to 500 feet, 29.38" barometer (at sea level) and 35 API gravity fuel oil at 60 degrees F.
3. Do not increase the listed pay rate unless the machine is so unique that it will not be adequately compensated by that horsepower class rate. You must write a memo to the Resource Protection Division Manager that explains why the rate increase was made. Attach a copy of the memo to Emergency Equipment Use Invoice and note the situation in your unit log.

DOZER POWER CLASS

TYPE - POWER CLASS		FWHP RANGE	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
1A	Heavy	Over 300	\$2820	\$5636	\$2,605	\$5,320
1B	Heavy	250 – 299	\$3448	\$6896	\$2,225	\$4,560
1C	Heavy	200 – 249	\$2136	\$4271	\$1,945	\$4,000
2A	Medium	150 – 199	\$2002	\$4003	\$1525	\$3,160
2B	Medium	100 – 149	\$1741	\$3483	\$1,305	\$1,2,720
3	Light	Under 100	\$1550	\$3099	\$1,045	\$2,200

DOZER W/ BLADES

Standard Method of Hire

1. All operating supplies, including fuel
2. Daily work rate
3. One operator
4. Service Vehicle included in 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, daily payment for the lowboy will be deducted by \$462.00 for a single shift, and \$792.00 for a double shift.

POWER CLASS	DOZER MAKE	MODEL & SERIES
IA	Caterpillar	D8R, D8K, D8L, D8N, D9
IA	John Deere	1050
IA	Fiat Allis	21C, FD30, 31, FD40
IA	Komatsu	D155, D275, , D355, D375
IA	International/Dressta, (Dresser)	TD25
IA	New Holland	DC70
IA	Terex	82-50

IB	Allis-Chalmers	HD21
IB	Caterpillar	D7H High Track, D8H
IB	Komatsu	D135A
IB	Terex	82-30, 82-40

IC	Caterpillar	D7R, D7G, D7H
IC	Fiat-Allis	FD255, FD20,
IC	John Deere	950
IC	Komatsu	D85E
IC	International/Dressta, (Dresser)	TD20
IC	Liebherr	DC70
IC	Terex	82-20

2A	Allis-Chalmers	HD16
2A	Case	1850
2A	Caterpillar	D6R, D6H, D7F
2A	Fiat-Allis	FD175, FD195, 14C, FD14E, 16B
2A	John Deere	850
2A	Komatsu	D61, D65E, D68E, D85A
2A	Massey Ferguson	MF D700C
2A	Liebherr	PR732
2A	New Holland	DC180

DOZER W/ BLADES, Continued

POWER CLASS	DOZER MAKE	MODEL & SERIES
2B	Allis-Chalmers	HD11
2B	Case	1150, 1450, 1650
2B	Caterpillar	D5B, D5H, D5M, D5N, D6C, D6D, D6M, D6N
2B	Fiat-Allis	FD145, FD9, 10C
2B	John Deere	700, 750, 850
2B	Komatsu	D41, D58, D53A, D60P, D65A
2B	International/Dressta, (Dresser)	TD12, TD15
2B	Liebherr	PR712, PR722
2B	Massey Ferguson	MF500, MF D600C
2B	New Holland	DC100, DC150

3	Allis-Chalmers	HD3, HD4, HD6
3	Case	350, 450, 550, 650, 750, 850
3	Caterpillar	D3, D4, D5C, D5G
3	Daewoo	DD80
3	Fiat-Allis	FD80, FD5, FD7, 8B
3	Hyundai	H70, H80
3	John Deere	350, 450, 550, 650
3	Komatsu	D21, D31, D32, D37, D38, D39, D45
3	International/Dressta, (Dresser)	500, TD6, TD7, TD8, TD9
3	Massey Ferguson	200, 2244, MF300, MF3366, MF400
3	New Holland	DC70, DC80

SKIDDERS

SKIDDERS and SKIDGINES

Standard Method of Hire

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

When a lowboy and another piece of equipment, such as a skidder, etc. are hired, and both pieces of equipment utilize the same operator, daily payment for the lowboy will be deducted by \$462.00 for a single shift, and \$792.00 for a double shift.

SKIDGINES

If a skidder is equipped as a skidgine add the rate as shown by tank size below. Skidgine must have a minimum of a 200-gallon tank and not exceed the manufactures load rating.

200 gal to 399 gal tank add \$101.00 to the rate whether worked as a SS or DS.

400gal to 799 gal tank add \$168.00 to the rate whether worked as a SS or DS.

800 gal tank and over add \$350.00 to the rate whether worked as a SS or DS.

No fiberglass tanks will be accepted. All tanks must be certified and baffled in compliance with NFPA or American Society of Mechanical Engineers standards or other industry accepted engineering standards.

POWER CLASS	FWHP RANGE	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
1	200 - 275	\$1,872	\$3,592	\$1,340	\$2,680
2	140 - 199	\$1,392	\$2,632	\$860	\$1,720
3	100 - 139	\$1,222	\$2,292	\$690	\$1,380
4	81 - 99	\$1,042	\$1,932	\$510	\$1,020
5	0 - 80	\$982	\$1,812	\$450	\$900

CLASS	SKIDDER MAKE	MODEL & SERIES
1	FMC	220CA, 220GA
1	Clark Ranger	668 Turbo, 880, F68
1	Caterpillar	535B
1	Franklin	Q90, 190
1	Timbco	260

2	John Deere	740, 740A, 520, 550, 550B, 640G
2	Timberjack	460, 460D, 520, 550, 550B, 660, 660D
2	Clark Ranger	667, 668B, 668C, 668, H66DS, H67, H67-II
2	Caterpillar	528, 515, 525, 525B, 545
2	Garrett	25A, 30, 30A
2	Franklin	Q70, Q80, 170, 185
2	Tree Farmer	C7F

SKIDDERS, Continued

CLASS	SKIDDER MAKE	MODEL & SERIES
3	John Deere	548D, 640, 640D, 648D, 360, 380D, 404, 450, 540G
3	Timberjack	240C, 240D, 240E, 350A, 360, 360D, 380D, 404, 450
3	FMC	180
3	Clark Ranger	665, 666, F65, H66
3	Caterpillar	518
3	Garrett	21A Turbo, 22
3	Case	800 Series
3	International Harvester	S10
3	Tree Farmer	C6F

4	John Deere	440D, 448D, 540, 540A
4	Timberjack	225 series, 230 series, 330
4	Clark Ranger	664, 664B
4	Massey Ferguson	320
4	Garrett	21A
4	Case	600
4	International Harvester	S8A

5	John Deere	440,
5	Timberjack	208B, 208E
5	Garrett	16

HYDRAULIC EXCAVATORS

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 an excavator, etc. are hired, and both pieces of equipment utilize the same operator, daily payment for the lowboy will be deducted by \$462.00 for a single shift, and \$792.00 for a double shift.

TYPE – POWER CLASS	FWHP RANGE	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
1	Over 230	\$2,252	\$4,352	\$1,720	\$3,440
2	161 – 230	\$1,712	\$3,272	\$1,180	\$2,360
3	136 – 160	\$1,475	\$2,872	\$980	\$1,960
4	111 – 135	\$1,412	\$2,672	\$880	\$1,760
5	86 – 110	\$1,262	\$2,372	\$730	\$1,460
6	76 – 85	\$1,172	\$2,192	\$640	\$1,280
7	61 – 75	\$1,092	\$2,032	\$560	\$1,120
8	50 – 60	\$1,052	\$1,952	\$520	\$1,040

HYDRAULIC EXCAVATORS, continued

CLASS	EXCAVATOR MAKE	MODEL & SERIES
1	Case	CS330, CX460, CX800, 9050B, 9060B
1	Caterpillar	330CL, 345BL, 345BL II, 350L, 365BL, 375
1	Daewoo	SOLAR 330LC-V, SOLAR 400LC-V, SOLAR 450-III,
1	John Deere	330C LC, 330LC, 370, 370C, 450C LC, 450LC, 600C LC
1	Fiat Allis	FX480LC, FX600LC
1	Hitachi	ZAXIS 330LC, ZAXIS 370, EX550LC-3, EX700, ZAXIS 450LC, ZAXIS 600LC, ZAXIS 800, EX450LC, EX550LC-5
1	Hyundai	R360LC-3, R450LC-3,
1	JCB	JS450, JS460
1	Kobelco	SK300LC, SK330LC, SK400LC MARK IV, SK480LC
1	Komatsu	PC300HD-6, PC300HD-7, PC300LC-6, PC300LC-7, PC400HD-6, PC400LC-6, PC450LCD-6K, PC600LC-6
1	Liebherr	R954B HD, R964B UTILITY, R974
1	Link-Belt	330LX, 370LX RB, 460LX, 5800 QUANTUM
1	New Holland	EC350LC, EC450LC, EC600LC
1	Samsung	SE350LC-2, SE450LC-2
1	Volvo	EC330B LC, EC360B LC, EC360 LC, EC460B LC, EC460LC
2	Badger	666 Hydro-Scopic, 670 Hydro-Scopic, 888 Hydro-Scopic,
2	Case	CX240, CX290, 9040B, 9045B
2	Caterpillar	322CL, 325BL, 325CL, 330BL
2	Daewoo	SOLAR 250LC-V, SOLAR 290LC-V
2	John Deere	230LC, 230C LC, 270LC, 270C LC
2	Fiat Allis	FX240LC, FX270LC, FX350LC
2	Gradall	XL5200
2	Hitachi	ZAXIS 230LC, ZAXIS 270LC, EX270LC-5, EX330LC-5, EX370-5
2	Hyundai	R250LC-3, R290LC-3, R320LC-3
2	JCB	JS330
2	Kobelco	SK220LC MARK IV, SK250LC, SK270LC MARK IV, SK290LC
2	Komatsu	PC220LC-7, PC270LC-6, PC270LC-7, PC308USLC-3
2	Liebherr	R934HDSL
2	Link-Belt	240LX, 290LX, 3900 QUANTUM
2	New Holland	EC240LC
2	Samsung	SE240LC-3, SE280LC-2, SE280LC-3
2	Volvo	EC240B, EC240LC, EC240LR, EC290B, EC290LC, EC290LR

HYDRAULIC EXCAVATORS, continued

CLASS	EXCAVATOR MAKE	MODEL & SERIES
3	Case	CX210, CX225
3	Caterpillar	320C, 320CL, 320C U, 320CL U, 321C LCR, 322BL
3	Daewoo	SOLAR 220LC-5,
3	John Deere	200C LC, 200LC, 225C LC
3	Gradall	XL4200
3	Hitachi	ZAXIS 200LC, EX230LC-5
3	JCB	JS260
3	Kobelco	SK200LC MARK IV, 200SRLC, SK210LC, 235SRLC
3	Komatsu	PC200-7, PC200LC-7, PC220LC-6, PC228USLC-3, PC250LC-6,
3	Liebherr	R924
3	Link-Belt	210LX, 3400 QUANTUM
3	New Holland	EC215LC
3	Samsung	SE210LC-3
3	Volvo	EC210B, EC210LC, EC210LR

4	Case	9030B, 9030BN
4	Caterpillar	318B, 318BL N, 318 CL, 318 CL N, 320B, 320BL, 320BN
4	Daewoo	SOLAR 170-III, SOLAR 170LC-V
4	Fiat Allis	FX200LC
4	Hitachi	EX200LC-5,
4	Hyundai	R180LC-3, R210LC-3
4	JCB	JS200, JS220
4	Kobelco	SK160LC, ED190, 200SRLC
4	Komatsu	PC200-6B, PC200LC-6, PC228USLC-1, PC228USLC-2
4	Liebherr	R904, R914
4	Link Belt	2800 Quantum

5	Case	CX130, CX135, CX160, 9010B, 9020B
5	Caterpillar	215, 315C, 315CL, 313B, 314C, 314CL, 315B, 315BL, 315C, 315CL
5	Daewoo	SOLAR 130LC-V
5	John Deere	120C, 135C, 160LC, 160C
5	Fiat Allis	FX140
5	Gradall	XL3200
5	Hitachi	ZAXIS 120, ZAXIS 160LC, RC260LC-5,
5	Hyundai	R130LC-3, R160LC-3
5	JCB	JS160
5	Kobelco	SK130LC MARK IV, SK115DZ LC MARK IV, 135SRLC, 135RL, ED150, SK150LC MARK IV
5	Komatsu	PC120-6, PC120LC-6, PC128US-1, PC128US-2, PC128UU-2, PC138USLC-2, PC150-6, PC150LC-6, PC158USLC-2, PC160LC-7,
5	Link-Belt	160LX, 2700 QUANTUM
5	Mustang	ME12002
5	New Holland	EC160LC
5	Samsung	SE130LC-2, SE130LC-3, SE130LCM-2, SE130LCM-3
5	Volvo	EC140BLC, EC140LC, EC140LCM, EC150LC, EC160BLC

HYDRAULIC EXCAVATORS, continued

CLASS	EXCAVATOR MAKE	MODEL & SERIES
6	Caterpillar	311B, 311C, 312B, 312BL
6	John Deere	110
6	Gradall	XL2200
6	Hitachi	EX110-5, EX120-5
6	JCB	JS130
6	Kobelco	115SRDZ
6	Komatsu	PC95R-2, PC100-6, PC128UU-1
6	Liebherr	R312
6	Link-Belt	2650 QUANTUM
6	Mustang	ME 8002, ME12002
6	New Holland	EC130LC
6	Schaeff, Inc.	HR41
6	Takeuchi	TB070, TB175

7	Bobcat	442
7	Gehl	GE802
7	Komatsu	PC95-1
7	Mustang	ME 8002
7	Schaeff, Inc.	HR31, HR32
7	Terex	HR32

8	Case	CX75, 9007B
8	Caterpillar	307B, 307C, 308C
8	Daewoo	Solar 70-III,
8	John Deere	80, 80C
8	Hitachi	ZAXIS 80, EX80-5
8	JCB	JS70, JZ70
8	Kobelco	SK60 MARK IV, 70SR, 80CS
8	Komatsu	PC60-7, PC60-7B, PC78US-6
8	Link-Belt	75, 1600 QUANTUM
8	Nagano	NX75-2
8	Schaeff, Inc.	HR22
8	Takeuchi	TB070, TB175
8	Thomas	T75
8	Yanmar	V1070

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 motor grader etc. are hired, and both pieces of equipment utilize the same operator, daily payment for the lowboy will be deducted by \$462.00 for a single shift, and \$792.00 for a double shift.

TYPE – POWER CLASS	FWHP RANGE	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
1	Over 200	\$1,452	\$2,752	\$920	\$1,840
2	145 – 199	\$1,322	\$2,492	\$790	\$1,580
3	115 – 144	\$1,202	\$2,252	\$670	\$1,340
4	75 – 114	\$1,102	\$2,052	\$570	\$1,140

CLASS	GRADER MAKE	MODEL & SERIES
1	Case	885
1	Caterpillar	14H, 16H
1	Champion	D-686, 780, 740A, 750A, 780A
1	Galion	T-700, 870B, 870C
1	John Deere	772CH II
1	Komatsu	GD670A-2C, GD670AW-2C, GD750A-1, GD825A-2
1	New Holland	RG200, RG200B
1	Volvo	G740, G740B, G746B, G780, G780B

2	Case	865
2	Caterpillar	12H, 140H, 143H, 160H, 163h
2	Champion	720A, 726A, 730A, 736A,
2	Fiat Allis	FG85A, FG105A
2	Galion	850B, 850C
2	John Deere	670CH II, 672CH II, 770C, 770C II, 770CH, 770CH II, 772CH
2	Komatsu	GD650A-2C, GD650AW-2C, GD 655-3, GD675-3
2	New Holland	RG170, RG170B
2	Volvo	G720, G720B, G726 VHP, G726B, G730, G730B, G736 VHP

3	Case	845
3	Caterpillar	120H, 135H
3	Champion	710A, 716A
3	Galion	830B, 830C
3	John Deere	670C, 670C II, 670CH, 672CH
3	Komatsu	GD530A-2C, GD530AW-2C, GD555-3
3	New Holland	RG140, RG140B
3	Volvo	G710, G710B, G716VHP

4	Champion	C50A, C60A, C66A, C70A, C76A, C80A, C86A
4	Fiat Allis	65C
4	Ingram	MG747
4	Lee-Boy	685
4	New Holland	RG80, RG100

4	Volvo	G60, G66, G80, G86
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BACKHOES

Standard Method of Hire

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

FWHP	Hourly Work Rate	Daily Guarantee
Up to 75	\$ 76	\$380

DUMPTRUCKS

Standard Method of Hire

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

For calendar days that a dump truck is used both as a dump truck and transport (provides a tilt bed trailer), add \$50.00 to the daily rate.

Min Capacity	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
5 yards	\$732	\$1,344	\$312	\$624
10 yards	\$1475	\$2079	\$899	\$1,439

WATER TRUCKS - for dust abatement

Standard Method of Hire

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

A water truck for dust abatement is required to have, as a minimum, an eight (8) foot wide spray capability (pressure or gravity). They also must have a 100-gallon per minute (gpm) self-loading capability.

Min. Gallon	SPRAY TYPE	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
1000	All	\$792	\$1,464	\$372	\$744
2500	All	\$1,132	\$2,136	\$684	\$1,368
5000	All	\$1,276	\$2,424	\$828	\$1,656

HEAVY EQUIPMENT TRANSPORT VEHICLES

(Includes Truck Tractor and Trailer)

- **LICENSED Common Carrier:** Pay Tariff Rates or a pre-negotiated rate. A field order number should be issued to the UTC carriers.
- **Owner-Operated Transport Hauling Own Equipment to the Fire:** Use daily rental rates from table below.
- Agree on starting time at time of dispatch.
- Dump Truck rate applies if transport is used as a Dump Truck.

When a lowboy and another piece of equipment, such as a motor grader etc. are hired, and both pieces of equipment utilize the same operator, daily payment for the lowboy will be deducted by \$462.00 for a single shift, and \$792.00 for a double shift.

SIZE	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
Tractors & Lowboys				
10 to 19.99 Ton	\$690	\$1,248	\$228	\$456
20 to 29.99Ton	\$768	\$1,404	\$306	\$612
30 to 39.99 Ton	\$990	\$1980	\$490	\$1,112
40 to 49.99 Ton	\$972	\$1,812	\$510	\$1,020
Over 50 Ton	\$1118	\$2236	\$694	\$1,520
Pickup with Trailer and Transports, Under 10 Tons	NEG	NEG	NEG	NEG
Transport (Dumptruck) and Tilt Bed, All tonnage	\$760	\$1,392	\$312	\$624

BUSES

Standard Method of Hire

1. Operating supplies may or may not be supplied by the vendor
2. Mileage rate with 40-mile guarantee
3. Operator hired as a casual

Passenger Capacity	Rate Per Mile	Daily Guarantee
Bus 6 to 12 Passenger	\$0.92	\$37
Bus 12 to 24 Passenger	\$1.26	\$50
Bus 25 + Passenger	NEG.	NEG.
Coach 39+	NEG.	NEG.

TRANSPORTATION VEHICLES

VEHICLE with OPERATOR – Method of Hire

1. Vehicle w/operator – Daily Rate includes vehicle, operator for one shift, fuel, all supplies and applicable.
2. In addition to the Daily rate, mileage is paid at the rate shown below for the size class of vehicle under the agreement. The mileage guarantee is not applicable to this method of hire (Daily).

VEHICLE WITH OPERATOR – Includes all operating supplies and fuel	Daily Wet Rate \$265
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Overhead with Vehicle – Casual Hire Mileage Rate

1. All operating supplies, including fuel
2. Daily Guarantee of 40-miles does not apply to casual hires, overhead, or operation line position's vehicles paid at the travel rate of \$.56
3. Operator hired as a casual
4. Overhead Position (IIO, IACR, etc.) and Operations Line Positions (DIVS, Safety, etc.) vehicles will be reimbursed for mileage by the hiring unit using the State travel process for travel expense to the fire camp. (October 1, 2013 is \$.56 per mile, Form A20-A).

TYPE	4x2	4x2	4x4	4x4	DESCRIPTIONS
	Per Mile	Guar.	Per Mile	Guar.	
Overhead and Operations Line Positions used to go to the fire line	\$1.14	N/A	\$1.14	N/A	All Vehicles
Overhead and Operations Line Positions used in travel to the fire camp	\$0.56	N/A	\$0.56	N/A	See Number 4 – All Vehicles
Light Utility, Compact Truck	\$0.67	\$50	\$1.14	\$29	S10 Blazer, Bronco 4, Toyota Tacoma, Chevy S10, Ford Ranger
Full Size Truck (1/2 ton)	\$0.73	\$50	\$1.14	\$40	Chevrolet & GMC 1500, C10, K10, Ford 150, Dodge 150
Full Size Truck (3/4 ton)	\$0.79	\$50	\$1.14	\$42	Chevrolet & GMC 2500, C-20, K-20, Ford 250, Dodge 250
Full Size Truck (1 ton)	\$0.93	\$50	\$1.14	\$46	Chevrolet & GMC 3500, C-30, K-30, Ford 350, Dodge 350
1 1/2 ton	\$1.24	\$50	\$1.60	\$64	Stake Trucks, Flat Beds, etc.
2 ton	\$1.58	\$63	\$1.79	\$72	Stake Trucks, Flat Beds, etc.
2 1/2 ton	\$1.73	\$69	\$2.07	\$83	Stake Trucks, Flat Beds, etc.
3 ton	\$1.92	\$77			Stake Trucks, Flat Beds, etc.
3 1/2 ton	\$2.20	\$88			Stake Trucks, Flat Beds, etc.
5 ton	\$2.96	\$118			Stake Trucks, Flat Beds, etc.
over 5 ton	\$3.18	\$127			Stake Trucks, Flat Beds, etc.

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 needed, do not pay the all-wheel drive rate.
5. No payment shall be made for structural firefighting equipment.
6. Staffing Requirements: (per shift)
Type 6 and 7 engines require 1 engine leader and 1 firefighter.
Type 4 and 5 engines require 1 engine leader and 1 firefighters.
A tender requires one operator.

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

ENGINES AND TENDERS

Standard Method of Hire

1. All operating supplies, including fuel
2. Daily work rate - based on shift configuration
3. One operator/crew for a SS, Two operators/crews for a DS.
4. Type 6 and 7 staffed with 2 people (operator and crew).
5. Type 3, 4 and 5 staffed with 3 people (operator and 2 crew).
6. No additional payment for foam use.

Note: When a Type 3, 4 or 5 Engine has only 2 people, reduce the daily payment by \$238.00 for a single shift and \$408.00 for a double shift.

ENGINES

Engines Without Four Wheel Drive (4x2)

TYPE 4 x 2	Min Pump GPM	Min Tank Gallons	Daily Single Shift w/ Full Staff	Daily Double Shift w/ Full Staff	Daily Single Shift w/o Staff	Daily Double Shift w/o Staff
7	10	50	\$1,134	\$1,944	\$476	\$816
6	30	150	\$1,232	\$2,112	\$574	\$984
5	50	400	\$1,554	\$2,664	\$658	\$1,128
4	50	750	\$1,610	\$2,760	\$714	\$1,224
3	150	500+	\$1,708	\$2,928	\$812	\$1,392

Engines With Four Wheel Drive (4x4)

TYPE 4 x 4	Min Pump GPM	Min Tank Gallons	Daily Single Shift w/ Full Staff	Daily Double Shift w/ Full Staff	Daily Single Shift w/o Staff	Daily Double Shift w/o Staff
7	10	50	\$1,232	\$2,112	\$574	\$984
6	30	150	\$1,344	\$2,304	\$686	\$1,176
5	50	400	\$1,680	\$2,880	\$784	\$1,344
4	50	750	\$1,750	\$3,000	\$854	\$1,464
3	150	500+	\$1,876	\$3,216	\$980	\$1,680

TENDERS

TYPE	Min Tank Gallons	Daily Single Shift With Operator	Daily Double Shift With Operator	Daily Single Shift Without Operator	Daily Double Shift Without Operator
3	1000	\$1380	\$2761	\$831	\$1,788
2	2500	\$1463	\$2925	\$1,071	\$2,348
2	3500	\$1555	\$3110	\$1,179	\$2,484
1	5000	\$1810	\$3659	\$1390	\$2990

POWER SAWS (FALLERS)

CHAINSAW with OPERATOR

Method of Hire

1. All operating supplies, including fuel
2. Daily Rate
3. With Operator (operator/professional faller)

When hiring Faller's Assistant (Sawyer)

1. Hire as a casual hire, Firefighter wages.
2. Cannot pay assistant for any equipment, truck or saw
3. Casual hires are entitled to mileage if applicable (at per diem).

Size Class	Daily Wet Rate
Faller w/saw, operating supplies, incidentals, and transportation	\$862

PORTABLE PUMPS

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

Standard Method of Hire

1. Dry
2. Daily/Weekly/Monthly
3. Without Operator

Payment is made for each day (24 hours) the pump is on the fireline -- REGARDLESS of use

Size	Type	Daily Rate	Weekly Rate	Monthly Rate
1 1/2" - 3.8 cm	Pressure pump	\$20	\$50	\$150
2" - 5.1 cm	Pressure pump	\$50	\$150	\$375
3" - 7.6 cm	Volume (trash) pump	\$60	\$180	\$450
4" - 10.2 cm	Volume (trash) pump	\$80	\$265	\$620
6" - 15.2 cm	Volume pump, trailer mounted	\$250	\$600	\$1,750

MISCELLANEOUS EQUIPMENT

ALL TERRAIN VEHICLES (ATVs)

Standard Method of Hire

1. Daily/ dry
2. Without operator
3. Hire only ATVs with at least four wheels
4. Flat rate per day on the fireline regardless of hours operated.

Type	Daily Rate
4-Wheel Drive	\$70

GATOR

Standard Method of Hire

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

Daily Rate	Weekly Rate	Monthly Rate
\$85	\$260	\$750

SHOP (SERVICE) TRUCKS

Standard Method of Hire

1. All operating Supplies, including Fuel.
2. Hourly work rate with a 5-hour guarantee
3. One certified mechanic for single shift
4. If ordered with helper, add \$392 for Single Shift and \$672 for Double Shift.

Daily Single Shift	Daily Double Shift
\$1,024	\$1,896

MECHANIC WITH TOOLS & PICKUP

Standard Method of Hire

1. All operating Supplies, including Fuel.
2. Hourly work rate with a 5-hour guarantee
3. One certified mechanic for single shift\4.
4. If ordered with helper, add \$392 for Single Shift and \$672 for Double Shift.

Daily Single Shift	Daily Double Shift
\$688	\$1,224

FUEL TRUCKS

Standard Method of Hire

1. All operating Supplies, including Fuel.
2. Daily rate
3. Two operators per shift
(To accommodate credit card use and paper work/heavy use at shift change.)

Minimum Gallons	Daily Rate	Additional Operator
1000	\$1,378	\$400
2500	\$1,681	\$400
3500	\$1,721	\$400
5000	\$1,866	\$400

Vendor is required to accept Visa or MasterCard credit cards for payment of fuel at the work site. Other methods of payment may be used at vendor's discretion. Fuel prices will be established at the current commercial rate. This process will replace the use of Emergency Equipment Fuel & Oil Issue, OF-304.

Contractors, Cooperators and Government employees are required to use credit cards for the purchase of fuel from the fuel tender at all incidents within the Pacific Northwest Geographic Areas.

The daily work rate for the truck is based on a 24 hour period with one operator. The operator must work within the work rest guidelines. If additional operator is needed the host area or IMT shall order a second operator.

FUEL TRUCK (No Credit Card Capability)

1. All operating Supplies, including Fuel.
2. Daily rate
3. Two operators, one per shift
4. If ordered with additional operator, add \$400.

Minimum Gallons	Daily Rate	Additional Operator
1000	\$932	\$400
2500	\$1,172	\$400
3500	\$1,244	\$400
5000	\$1,376	\$400

The daily work rate for the truck is based on a 24 hour period with one operator. The operator must work within the work rest guidelines. If work rest guidelines cannot be met and an additional operator is needed the host area or IMT shall order a second operator.

Dispensed petroleum products to be negotiated separately.

Minimum Tank Capacity includes combined sum of all tanks, i.e. diesel and gas.

DNR FIRE REPORT AND BILLING RATES

DNR EQUIPMENT	
<u>ITEM</u>	<u>RATE</u>
Logistics/Cache Supply Unit Trailer	\$540 day
Command Post	\$425 day
Shower Unit	\$940 day
Finance Unit	\$325 day
LAN Van	\$290 day
Camp Utility Trailer	\$57 day
Potable Water Truck (wet rate)	\$880 day
Kitchen Unit (does not include crew)	\$1170 day
Refrigeration Unit	\$402 day
Helicopter –Type 2 (excludes helitak crew) DNR	\$2,685 flight hour
Foam – All Users	\$100 per load (5 gal)
Probeye, Thermovision, GPS	\$20 hour
Hose (Lost) 1” Angus (hot line)	\$142 per 100’
1-1/2” Angus (hot line)	\$160 per 100’
Toy Hose	\$29 per 50’
Hose Repair	\$25 per break
INMATE LABOR RATES	
Adults and Juveniles - \$3.60 per hour is to be used on all fire reports and fire billings.	
DOC/DSHS SALARY INFORMATION	
These rates are for cost accounting purposes only.	
For all DOC/DSHS employees	\$35.00 Per Hour
Command Post for DOC Staff	\$50.00 Per Day

RESOURCE PAYMENT PROVISIONS

PERSONNEL

All fire resources serving at the request of the Department of Natural Resources (DNR) will be paid the current year's Interagency Wildfire Wage and Equipment Rental Rates as adopted by the Washington Department of Natural Resources. Any changes in rates must be accompanied by written justification from the Incident Commander, Division Supervisor, or Finance Section Chief to the Resource Protection Division Manager.

TIMEKEEPING

All personnel time is documented on the Emergency Firefighter Time Report, form OF-288. Time for mobilization and demobilization must be kept separate from fire time. Time must be recorded on a shift basis. Employees may not approve their own time worked. Division Supervisors and Section Chiefs must document time worked for subordinates on a Crew Time Report and turn time reports in daily to the Time Unit. Meal break and personal breaks must be recorded on Crew Time Reports.

AGENCY PERSONNEL

Personnel from all agencies and career firefighters take the original OF-288 from the incident and deliver it to their home unit.

NOTE: Other State and local agency services that fall within that agency's responsibilities are not reimbursable and shall not be a cost to the incident. Examples are activities such as WSDOT providing general traffic control or assistance on State roads or a law enforcement agency providing services/aid within their jurisdiction. Other services related directly to the fire, such as specifically requested personnel or equipment may be eligible for reimbursement. An example would be security for fire camp or aviation resources. If payment is to be made, the resource must be ordered through the proper channels. A resource order number is to be assigned and shift tickets/CTRs submitted tracking time.

When an organized crew is hired by the Department and the company retains their employees on the company payroll, the crew boss will deliver the original OF-288 to the company. The company will bill DNR at the standard rates listed in the wage rate table.

CASUAL HIRES

Personal data listed on the OF-288 including Social Security number, name, and mailing address (where check should be sent), must be completed before payment can be made. An I-9, W-4, Worksheet A-1, PEBB Benefit Eligibility, Electronic Funds Transfer, and SSA-1945 (Statement Concerning Your Employment in a Job Not Covered by Social Security; available at <http://www.ssa.gov/form1945/SSA-1945.pdf>) must be completed at the time of each hire. All personnel must sign the OF-288. The agency making payment keeps the original OF-288. The SSA-1945 must be sent to DNR Financial Management Division, Payroll Section.

Pay Rate: Individuals and non-contract crewmembers will be paid the wage rates listed in the wage rate table.

Compensable Time: Employees are compensated for on shift time. On shift time includes travel to and from the point of hire, related waiting time, and/or other travel necessary for the performance of work (such as from base camp to fireline), actual hours worked, and time when an individual is held, by direction or orders, in a specific location fully outfitted, and ready for assignment, excluding time spent eating.

Travel time from and to the point of hire is allowed for one round trip. While traveling to and from incidents, OFM travel regulations apply for meal periods and reimbursement.

No travel time will be paid for personnel traveling at their own choice between place of residence, base camp, and/or point of hire. If DNR management decides personnel must return to their official residences or point of hire, then written justification must be attached to payment document before additional travel time will be allowed.

Additional travel time and mileage allowances must be authorized by written justification from a Division Supervisor, Incident Commander or Finance Section Chief and must be attached to the pay document.

Non-Compensable Time: Consists of time when individuals are off shift, including eating and sleeping periods and time when the individual can, to a limited degree, pursue activities of a personal nature.

Workweek Defined: The workweek is the DNR standard workweek. It begins at 12:01 AM Monday and ends at midnight on Sunday. All hours worked in excess of 40 hours during this workweek shall be paid at one and one-half times the regular rate. The employee must be informed of the scheduled workweek and the workweek must be recorded on the OF-288.

Subsistence Procedures: Meals will be provided for individuals staying at camp. No pay deduction is made for fire camp meals.

Commissary: Casuals hired by the State and regular State employees are not entitled to payroll deductions for commissary.

FIRE DISTRICT PERSONNEL

Volunteer personnel from fire districts will be hired as Emergency Firefighters at the rates listed in the wage rate table and paid according to the procedures for paying casual hires.

Career Personnel:

The Finance Section will complete the OF-288. Personnel wage rates for career firefighters shall be actual labor expenses and overtime rates according to each responding agency's labor contracts and pay schedules. The fire district or department will submit a DNR Fire District Reimbursement Invoice and Individual Time Record (or equivalent) with their costs to their home DNR Region including the original OF288, OF286 or shift tickets and/or CTR's. Any repair orders and fuel usage slips deducted from the OF286 must be attached. The home DNR Region will process the bill and send a copy to the appropriate DNR fire Region.

Career personnel who elect to take leave from their district or department to work for DNR will be paid using the pay rates for casual hires. Note: When career personnel are hired while on leave from their district, they will be covered under DNR L&I, not their fire district insurance.

INMATE LABOR

Adults and Juveniles – \$3.60 per hour is used on all incident reports and billings.

EQUIPMENT PAYMENT PROVISIONS

All equipment hired by the State will be paid according to the Interagency Incident Equipment Rates or by a rate established on an Interagency Equipment Rental Agreement. Any changes in rates that exceed those established must be accompanied by written justification, addressed to the Resource Protection Division Manager. If equipment is hired under contracted rates, a copy of the contract must be attached to the OF-286 Emergency Equipment Use Invoice (EEUI). State Payee Registration and W-9 form must be completed at time of initial hire; email "DNR RE Accounts Payable" for form.

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 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. 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 DNR fuels or services equipment on an incident 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.

SALES AND/OR USE TAX

DNR is required to pay sales tax on certain purchased goods and services which will be determined at time of payment. Contact FMD with any questions.

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 half hour
- Daily Rate - nearest half hour
- Mileage Rate - nearest mile

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 shift 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.

NOTE: If operator is paid on an OF288, in box 11 of the Equipment's OF286 (Operator Furnished By?), check Government.

TIME UNDER HIRE

The time under hire shall start at the time the equipment begins traveling to the incident after being ordered by the State, 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 Daily Rate or Guarantee would be 3/12 or ¼ of the amount shown.

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.

After inspection and acceptance for use, equipment and/or furnished operator(s) that cannot be replaced or equipment that cannot be repaired at the site of work within 24 hours may be demobed. The State will bear the costs of returning equipment and/or operator(s) to the point of hire as promptly as emergency conditions will allow.

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. **Note:** Equipment ordered for a single shift but is on shift for more than 16 hours in a 24-hour period does not receive additional compensation.

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. Daily guarantee is adjusted when equipment is under hire for less than 8 hours in a day. Interagency contracts may have a guarantee that is different from daily minimum listed in the rate tables. Read the contracts for detail.

DAILY RATE

Daily Rate payment will be made on a basis of calendar days (0001 - 2400). For fractional days, payment will be based on 50 percent of the Daily Rate for periods less than 8 hours under hire.

- **Daily Rate** may be with or without operator
- **Daily Rate Single Shift** - (SS) is staffed with one operator and/or one crew
- **Daily Rate Double Shift** - (DS) is staffed with two operators or two crews (one per shift). The DS rate will apply any calendar day the DS was **ordered** and under hire, including travel.

Agency personnel at the Section Chief Level may, by written order, authorize a second operator or crew (Double Shift), if needed during the assignment.

CASUAL HIRES AND EQUIPMENT

DNR **cannot** pay employees for equipment other than normal travel expenses. Casual hires are considered DNR employees, therefore any mileage or travel expenses must be paid through the travel voucher process (A20-A) following state travel rules. If the person being hired is going to be paid for any equipment other than normal travel, they must be paid as a contractor through the Vendor Pay system using an OF-286, A19 or company invoice. These payments are 1099 reportable, no taxes will be deducted and the income information will be sent to the Internal Revenue System.

HIRING EQUIPMENT TO NON BUSINESS OPERATORS

When equipment is being paid to a non-business operator, labor and equipment must be paid through the Vendor Pay system. The hours must be recorded and forwarded to DNR Financial Management Division Payroll section to ensure these operators are covered by L&I.

VEHICLES BELONGING TO OPERATIONS LINE PERSONNEL & CASUALS

All Casual Hires (Includes Operations Line Personnel and Overhead) will be reimbursed for their vehicle mileage through a travel expense voucher; Form A20-A (regular State employees and casuals) as specified in the state travel rules.

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. A State Payee Registration and W-9 form must be completed at time of initial hire; email "DNR RE Accounts Payable" for form.

HEAVY EQUIPMENT/TRANSPORTS

When a lowboy and another piece of equipment, such as a dozer, are hired, and both pieces of equipment utilize the same operator, daily payment for the lowboy will be deducted by \$462 for a single shift and by \$792 for a double shift. This is applicable only when hired for an entire day, and is not applicable when equipment is hired for less than eight (8) hours.

Agencies will only pay for transport charges for haul-in and haul-out. Once the equipment is unloaded, the transport will be released unless directed in writing to remain. If the incident requires, transports may be hired for availability and equipment hauls.

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.

ENGINE/TENDER INVENTORIES/ACCESSORIES

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.

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)

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"
- Nozzles: Combination Fog/Straight Steam – 4 each, 1"
- Suction Hose with Screened Foot Valve or Strainer: 24' of 2-1/2"
- Shovels: 2 each (size0)
- Pulaksi: 2 each
- Fire Hose Clamp: 1 each
- 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
- Double Male: 1 each, 1-1/2" NH
- Double Female: 1 each, 1-1/2" NH
- Double Male: 1 each, 1" NPSH
- Double Female: 1 each, 1" NPSH
- Gated Wye: 4 each, 1-1/2" NH
- Reducers: 4 each, 1-1/2" NH to 1" NPSH Male
- Adapters: 2 each, ¼ turn to 1-1/2" NH (1 Female and 1 Male)

ENGINE/TENDER INVENTORIES/ACCESSORIES (CONT.)

MINIMUM ENGINE INVENTORY (CONT.)

BackPack Pumps: 2 each
 Drinking Water: 1 Gallon Canteen, filled
 First Aid Kit: 1 each, 5-person
 Head Lamps: 3 each (w/batteries)
 Fuel to operate pump and engine (minimum 5 gallons)
 Fire Shelter – 1 per person (NFPA Approved)

TENDERS:

	TYPE	EACH	SIZE
Pump GPM	ALL		200 GPM

	TYPE	EACH	SIZE
Discharge Outlets	1	2	1 1/2" NH thread
		1	2 1/2" NH thread
	2 & 3	2	1 1/2" NH thread

	TYPE	EACH	SIZE
Hose	ALL		200' - 1 1.2" NH thread
			30' - 2 1/2" NH thread

	TYPE	EACH	SIZE
1" Combination Nozzle	ALL	1	1 1/2" NH thread

	TYPE	SIZE
Suction Hose w/Screened Foot Valve or Strainer	ALL	24'

	TYPE	EACH	SIZE
Adapters:	ALL	2	1/4 TURN 1 1/2" NH adapter 1 female, 1 male
		1	1 1/2" NH Double Male
		1	1 1/2" NH Double Female
		1	1 1/2" NH Gated Wye
		2	2 1/2" NH to 1 1/2" NH Reducer
		2	1 1/2" NH Female to 1 1/2" NPSH Male Adapter

	EACH	
Firefighting Tools:	1	Shovel (size 0)
	1	Pulaski
	1	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
Warning Device

HIGHLIGHTS OF UPDATES FOR 2014

Pg. 15 - Updated Overhead and Operation Line positions .
Pg. 17 - Updated Tenders, Type 1.
Pg. 21 – Updated rates and added new Camp Utility Trailer.