

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
A10	0.00	AGGREGATE / CHIP SPREADERS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
A10	0.10	SELF PROPELLED	10	A	B	8,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.102	.102	0.88	0.77	0.98	0.75
A10	0.20	TOWED & TAILGATE	10	A	B	6,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.59	0.00	0.66	0.60
A15	0.00	AIR COMPRESSORS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
A15	0.10	ROTARY SCREW	5	A	B	10,000	0.20	75	.750	.068	.036	0	.000	.000	.000	.477	.136	.119	0.66	0.00	0.73	0.75
A15	0.20	SHOP TYPE	5	A	B	12,000	0.15	75	.750	.068	.036	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.65
A20	0.00	AIR HOSE, TOOLS & EQUIPMENT	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
A20	0.10	AIR DRILL HOSE	5	A	B	3,500	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	1.50
A20	0.20	SANDBLAST HOSE	5	A	B	3,500	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	1.65
A20	0.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS	5	A	B	6,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.96	0.86	1.07	1.50
A25	0.00	ASPHALT PAVING DISTRIBUTORS	10	A	B	6,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.119	0.96	0.63	1.07	0.85
A30	0.00	ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
A30	0.10	SELF PROPELLED	10	A	B	8,000	0.15	70	.700	.063	.034	0	.000	.000	.000	.000	.136	.119	1.08	0.71	1.20	1.00
A30	0.20	TOWED	10	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.119	1.09	0.00	1.21	0.80
A30	0.30	SLURRY SEAL PAVERS (Cold mix)	10	A	B	11,000	0.20	60	.600	.054	.029	13	.130	.012	.006	.000	.100	.100	0.98	0.64	1.09	0.55
A30	0.40	MISCELLANEOUS ROAD EQUIPMENT	10	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.119	0.86	0.78	0.96	0.80

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
A35	0.00	ASPHALT PAVING KETTLES	10	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.119	1.09	0.71	1.21	0.80
A40	0.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS / ROTARY GRINDERS	10	A	B	6,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.000	.136	.119	0.97	0.64	1.08	1.00
A45	0.00	ASPHALT RECYCLERS & SEALERS	10	A	B	5,000	0.20	65	.650	.059	.031	50	.500	.045	.024	.000	.136	.119	0.97	0.85	1.08	0.90
B10	0.00	BATCH PLANTS, ASPHALT & CONCRETE	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
B10	0.10	ASPHALT	10	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.68	0.61	0.76	1.00
B10	0.20	CONCRETE	10	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.68	0.61	0.76	1.00
B10	0.30	PUGMILL	10	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.68	0.61	0.76	1.00
B15	0.00	BROOMS, STREET SWEEPERS & FLUSHERS	95	A	B	8,000	0.10	65	.650	.059	.031	13	.130	.012	.006	.000	.102	.119	0.86	0.66	0.96	0.80
B20	0.00	BRUSH CHIPPERS	95	A	B	8,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.119	0.00	0.00	0.84	0.90
B25	0.00	BUCKETS, CLAMSHELL	15	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B25	0.00	BUCKETS, CLAMSHELL	15	S	B	6,500	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B30	0.00	BUCKETS, CONCRETE	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
B30	0.10	GENERAL PURPOSE, MANUAL TRIP	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B30	0.20	LAYDOWN	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.75
B30	0.30	LOWBOY	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B30	0.40	LOW SLUMP	15	A	B	8,000	0.05	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

									Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			
CAT	SUB	Description	EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	RCF
B35	0.00	BUCKETS, DRAGLINE	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
B35	0.10	LIGHT WEIGHT	15	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B35	0.10	LIGHT WEIGHT	15	S	B	6,500	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B35	0.20	MEDIUM WEIGHT	15	A	B	9,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B35	0.20	MEDIUM WEIGHT	15	S	B	7,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
B35	0.30	HEAVY WEIGHT	15	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
B35	0.30	HEAVY WEIGHT	15	S	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
C05	0.00	CHAIN SAWS	95	A	B	2,000	0.10	90	.900	.081	.043	0	.000	.000	.000	.477	.136	.161	0.00	0.00	0.00	2.50
C10	0.00	COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
C10	0.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES	95	A	B	4,000	0.05	90	.900	.081	.043	0	.000	.000	.000	.477	.102	.102	0.00	0.00	0.00	1.20
C10	0.20	ROLLERS, VIBRATORY	95	A	B	4,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.102	.102	0.00	0.00	0.00	1.20
C15	0.00	CONCRETE CLEANERS / ABRASIVE BLASTERS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
C15	0.10	WALK BEHIND	95	A	B	4,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.136	.119	0.00	0.00	0.00	0.90
C15	0.20	TRUCK/TRAILER MOUNTED	95	A	B	8,000	0.20	95	.950	.086	.045	50	.500	.045	.024	.530	.136	.119	0.76	0.68	0.84	0.90
C20	0.00	CONCRETE BUGGIES	95	A	B	4,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.136	.119	0.97	0.85	1.08	0.70
C25	0.00	CONCRETE FINISHERS/SCREEDS/SPREADERS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
C25	0.10	FINISHERS/TROWELS	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.136	.119	0.00	0.00	0.00	0.80

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
C25	0.20	VIBRATORY SCREED	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.136	.119	0.86	0.75	0.96	0.80
C25	0.25	VIBRATORY LASER SCREED	95	A	B	8,000	0.30	65	.650	.059	.031	0	.000	.000	.000	.000	.180	.160	0.86	0.78	0.96	0.60
C25	0.30	MATERIAL/TOPPING SPREADERS	95	A	B	8,000	0.30	65	.650	.059	.031	0	.000	.000	.000	.000	.180	.160	0.86	0.75	0.96	0.60
C30	0.00	CONCRETE GRINDERS	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.136	.119	0.00	0.00	0.00	0.90
C35	0.00	CONCRETE GUNITERS / SHOTCRETERS	95	A	B	7,000	0.25	75	.750	.068	.036	0	.000	.000	.000	.477	.136	.119	0.68	0.61	0.76	0.90
C40	0.00	CONCRETE MIXING UNITS	95	A	B	5,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.136	.119	0.68	0.61	0.76	0.80
C45	0.00	CONCRETE PAVING MACHINES	10	A	B	6,000	0.20	75	.750	.068	.036	0	.000	.000	.000	.000	.136	.119	1.08	0.82	1.20	1.00
C55	0.00	CONCRETE PUMPS	95	A	B	8,000	0.10	70	.700	.063	.034	10	.100	.009	.005	.477	.136	.119	0.76	0.61	0.84	1.00
C60	0.00	CONCRETE SAWS (Add cost for sawblade wear)	95	A	B	6,000	0.10	90	.900	.081	.043	0	.000	.000	.000	.477	.136	.161	0.00	0.00	0.00	1.00
C65	0.00	CONCRETE VIBRATORS	5	A	B	4,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.161	0.00	0.00	0.00	2.50
C70	0.00	CRANES, GANTRY & STRADDLE	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
C75	0.00	CRANES, HYDRAULIC, SELF-PROPELLED	20	A	B	14,000	0.15	75	.750	.068	.036	0	.000	.000	.000	.000	.136	.127	0.76	0.68	0.84	0.80
C80	0.00	CRANES, HYDRAULIC, TRUCK MOUNTED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
C80	0.01	UNDER 26 TON	20	A	B	14,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.161	.153	1.08	0.97	1.20	0.60
C80	0.01	UNDER 26 TON	20	S	B	12,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.161	.153	0.42	0.34	0.47	0.65
C80	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.127	.110	1.08	0.97	1.20	0.70
C80	0.02	26 TON THRU 65 TON	20	S	B	13,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.127	.110	0.42	0.34	0.47	0.75

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
C80	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.127	.110	1.08	0.97	1.20	0.80
C80	0.03	66 TON THRU 125 TON	20	S	B	16,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.127	.110	0.42	0.34	0.47	0.85
C80	0.04	OVER 125 TON	20	A	B	20,000	0.15	65	.650	.059	.031	10	.100	.009	.005	.000	.127	.110	1.08	0.97	1.20	0.90
C80	0.04	OVER 125 TON	20	S	B	18,000	0.15	85	.850	.077	.041	13	.130	.012	.006	.000	.127	.110	0.42	0.34	0.47	0.95
C85	0.00	CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	20	A	B	13,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	0.80
C85	0.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY	20	S	B	12,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	0.90
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	20	A	B	16,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.144	.144	0.00	0.00	0.00	0.85
C85	0.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY	20	S	B	13,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.144	.144	0.00	0.00	0.00	0.95
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	20	A	B	18,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.093	.093	0.00	0.00	0.00	0.95
C85	0.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY	20	S	B	15,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.093	.093	0.00	0.00	0.00	1.05
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	20	A	B	20,000	0.20	55	.550	.050	.026	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	1.05
C85	0.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY	20	S	B	16,000	0.20	72	.720	.065	.034	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	1.15
C85	0.21	LIFTING, 0 THRU 25 TON	20	A	B	16,000	0.20	40	.400	.036	.019	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	0.65
C85	0.21	LIFTING, 0 THRU 25 TON	20	S	B	13,000	0.20	52	.520	.047	.025	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	0.70

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
C85	0.22	LIFTING, 26 TON THRU 50 TON	20	A	B	18,000	0.20	40	.400	.036	.019	0	.000	.000	.000	.000	.085	.085	0.00	0.00	0.00	0.75
C85	0.22	LIFTING, 26 TON THRU 50 TON	20	S	B	15,000	0.20	52	.520	.047	.025	0	.000	.000	.000	.000	.085	.085	0.00	0.00	0.00	0.80
C85	0.23	LIFTING, 51 TON THRU 150 TON	20	A	B	20,000	0.15	40	.400	.036	.019	0	.000	.000	.000	.000	.093	.093	0.00	0.00	0.00	0.85
C85	0.23	LIFTING, 51 TON THRU 150 TON	20	S	B	16,000	0.15	52	.520	.047	.025	0	.000	.000	.000	.000	.093	.093	0.00	0.00	0.00	0.90
C85	0.24	LIFTING, OVER 150 TON	20	A	B	22,000	0.15	40	.400	.036	.019	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	0.95
C85	0.24	LIFTING, OVER 150 TON	20	S	B	18,000	0.15	52	.520	.047	.025	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	1.00
C90	0.00	CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
C90	0.01	UNDER 26 TON	20	A	B	14,000	0.15	50	.500	.045	.024	10	.100	.009	.005	.000	.161	.153	1.08	0.97	1.20	0.60
C90	0.01	UNDER 26 TON	20	S	B	12,000	0.15	65	.650	.059	.031	13	.130	.012	.006	.000	.161	.153	0.42	0.34	0.47	0.65
C90	0.02	26 TON THRU 65 TON	20	A	B	16,000	0.15	50	.500	.045	.024	10	.100	.009	.005	.000	.127	.110	1.08	0.97	1.20	0.70
C90	0.02	26 TON THRU 65 TON	20	S	B	14,000	0.15	65	.650	.059	.031	13	.130	.012	.006	.000	.127	.110	0.42	0.34	0.47	0.75
C90	0.03	66 TON THRU 125 TON	20	A	B	18,000	0.20	50	.500	.045	.024	10	.100	.009	.005	.000	.127	.110	1.08	0.97	1.20	0.80
C90	0.03	66 TON THRU 125 TON	20	S	B	16,000	0.20	65	.650	.059	.031	13	.130	.012	.006	.000	.127	.110	0.42	0.34	0.47	0.85
C90	0.04	OVER 125 TON	20	A	B	20,000	0.20	50	.500	.045	.024	10	.100	.009	.005	.000	.127	.110	1.08	0.97	1.20	0.90
C90	0.04	OVER 125 TON	20	S	B	18,000	0.20	65	.650	.059	.031	13	.130	.012	.006	.000	.127	.110	0.42	0.34	0.47	0.95
C95	0.00	CRANES, TOWER	20	A	B	18,000	0.20	65	.650	.059	.031	10	.100	.009	.005	.530	.127	.110	0.00	0.00	0.00	0.85
D10	0.00	DRILLS, AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE (Add cost for drill steel and bit wear)	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
D10	0.10	DRILLS, AIR TRACK (Add cost for drill steel and bit wear)	25	A	B	13,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.96	0.86	1.07	1.00
D10	0.20	DRILLS, HYDRAULIC TRACK (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	1.00
D15	0.00	DRILLS, HORIZONTAL (MICRO-TUNNELING)	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
D15	0.10	DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.96	0.86	1.07	0.90
D15	0.20	DRILLS, HORIZONTAL & DIRECTIONAL (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.96	0.86	1.07	0.90
D20	0.00	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)	25	A	B	8,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.068	.102	0.00	0.00	0.00	0.85
D25	0.00	DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear)	25	A	B	10,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.477	.068	.102	1.08	0.97	1.20	1.00
D30	0.00	DRILLS, EARTH / AUGER (Add cost for drill steel, cutting edge wear, and crane when applicable)	25	A	B	10,000	0.25	80	.800	.072	.038	10	.100	.009	.005	.477	.136	.119	0.76	0.68	0.84	1.00
D35	0.00	DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear)	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
D35	0.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	25	A	B	13,000	0.20	80	.800	.072	.038	10	.100	.009	.005	.005	.161	.161	0.76	0.68	0.84	1.00
D35	0.12	DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	25	A	B	15,000	0.20	80	.800	.072	.038	10	.100	.009	.005	.011	.136	.136	0.76	0.68	0.84	1.00

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
D35	0.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	25	A	B	13,000	0.20	70	.700	.063	.034	10	.100	.009	.005	.530	.000	.000	0.76	0.68	0.84	0.55
D35	0.22	ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)	25	A	B	15,000	0.20	70	.700	.063	.034	10	.100	.009	.005	.530	.000	.000	0.76	0.68	0.84	0.55
F10	0.00	FORK LIFTS	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.102	.102	0.76	0.68	0.84	0.75
G10	0.00	GENERATOR SETS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
G10	0.10	PORTABLE	30	A	B	8,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.84	0.60
G10	0.10	PORTABLE	30	S	B	7,000	0.10	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.28	0.70
G10	0.20	SKID MOUNTED	30	A	B	10,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	0.70
G10	0.20	SKID MOUNTED	30	S	B	8,000	0.10	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	0.80
G15	0.00	GRADERS, MOTOR	35	A	B	13,000	0.25	60	.600	.054	.029	0	.000	.000	.000	.000	.085	.144	0.86	0.56	0.96	0.75
G15	0.00	GRADERS, MOTOR	35	S	B	12,500	0.25	78	.780	.070	.037	0	.000	.000	.000	.000	.085	.144	0.34	0.19	0.37	0.85
H10	0.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.00
H13	0.00	HAZARDOUS/TOXIC WASTE EQUIPMENT	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
H13	0.11	COMPACTORS (Compression force) 0 THRU 50 TONS	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.530	.102	.102	0.00	0.00	0.73	0.80
H13	0.12	COMPACTORS (Compression force) OVER 50 TONS	95	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.530	.102	.102	0.00	0.00	0.73	0.90

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
H13	0.21	FILTER PRESSES, STATIONARY	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.530	.102	.102	0.00	0.00	0.73	0.90
H13	0.22	FILTER PRESSES, MOBILE	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.530	.102	.102	0.00	0.00	0.73	0.80
H13	0.30	CENTRIFUGES	95	A	B	4,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.73	0.70
H13	0.40	SHREDDERS	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.73	0.90
H13	0.51	SOIL TREATMENT PLANT, MOBILE	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.76	0.68	0.84	1.00
H13	0.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS	95	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.84	1.00
H13	0.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING	95	A	B	4,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.73	1.00
H15	0.00	HEATERS, SPACE	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
H20	0.00	HOISTS & AIR WINCHES	95	A	B	9,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	0.80
H25	0.00	HYDRAULIC EXCAVATORS, CRAWLER MOUNTED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
H25	0.10	0 LBS THRU 12,500 LBS	65	A	B	8,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.149	.149	0.00	0.00	0.00	0.70
H25	0.10	0 LBS THRU 12,500 LBS	65	S	B	7,000	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.149	.149	0.00	0.00	0.00	0.80
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	65	A	B	8,500	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.149	.149	0.00	0.00	0.00	0.70
H25	0.11	OVER 12,500 LBS THRU 40,000 LBS	65	S	B	7,000	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.149	.149	0.00	0.00	0.00	0.85
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	65	A	B	12,000	0.25	65	.600	.059	.031	0	.000	.000	.000	.000	.149	.149	0.00	0.00	0.00	0.80

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
H25	0.12	OVER 40,000 LBS THRU 100,000 LBS	65	S	B	10,000	0.25	85	.800	.077	.041	0	.000	.000	.000	.000	.149	.149	0.00	0.00	0.00	0.95
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	65	A	B	13,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.047	.047	0.00	0.00	0.00	1.00
H25	0.13	OVER 100,000 LBS THRU 160,000 LBS	65	S	B	12,000	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.047	.047	0.00	0.00	0.00	1.10
H25	0.14	OVER 160,000 LBS	65	A	B	19,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.051	.051	0.00	0.00	0.00	1.10
H25	0.14	OVER 160,000 LBS	65	S	B	15,000	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.051	.051	0.00	0.00	0.00	1.25
H25	0.21	EXCAVATOR ATTACHMENTS, MOBILE SHEARS	95	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	0.90
H25	0.22	EXCAVATOR ATTACHMENTS, MATERIAL HANDLING	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	0.80
H25	0.23	EXCAVATOR ATTACHMENTS, CONCRETE PULVERIZERS	95	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.00
H25	0.24	EXCAVATOR ATTACHMENTS, COMPACTORS	95	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.00
H30	0.00	HYDRAULIC EXCAVATORS, WHEEL MOUNTED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
H30	0.01	0 THRU 1.0 CY	65	A	B	8,000	0.25	60	.600	.054	.029	10	.100	.009	.005	.000	.149	.141	0.98	0.64	1.09	0.50
H30	0.01	0 THRU 1.0 CY	65	S	B	6,500	0.25	78	.780	.070	.037	13	.130	.012	.006	.000	.149	.141	0.34	0.19	0.37	0.55
H30	0.02	OVER 1.0 CY	65	A	B	10,000	0.25	60	.600	.054	.029	10	.100	.009	.005	.000	.149	.141	0.98	0.64	1.09	0.60
H30	0.02	OVER 1.0 CY	65	S	B	8,000	0.25	78	.780	.070	.037	13	.130	.012	.006	.000	.149	.141	0.34	0.19	0.37	0.65
H35	0.00	HYDRAULIC SHOVELS, CRAWLER MOUNTED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	A	B	13,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.047	.047	0.00	0.00	0.00	1.00
H35	0.11	DIESEL, 0 CY THRU 5.0 CY	65	S	B	12,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.047	.047	0.00	0.00	0.00	1.10
H35	0.12	DIESEL, OVER 5.0 CY	65	A	B	14,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.051	.051	0.00	0.00	0.00	1.20
H35	0.12	DIESEL, OVER 5.0 CY	65	S	B	13,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.051	.051	0.00	0.00	0.00	1.30
H35	0.21	ELECTRIC, OVER 2.5 CY	65	A	B	15,000	0.20	50	.500	.045	.024	0	.000	.000	.000	.265	.000	.000	0.00	0.00	0.00	0.80
H35	0.21	ELECTRIC, OVER 2.5 CY	65	S	B	14,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.265	.000	.000	0.00	0.00	0.00	0.90
L10	0.00	LAND CLEARING EQUIPMENT	70	A	B	10,000	0.20	60	.600	.054	.029	10	.100	.009	.005	.000	.127	.110	0.76	0.68	0.84	0.90
L10	0.00	LAND CLEARING EQUIPMENT	70	S	B	7,000	0.20	78	.780	.070	.037	13	.130	.012	.006	.000	.127	.110	0.29	0.23	0.33	1.00
L15	0.00	LANDSCAPING EQUIPMENT	95	A	B	5,000	0.15	80	.800	.072	.038	13	.130	.012	.006	.477	.102	.102	0.76	0.68	0.84	0.70
L20	0.00	LIGHTING SETS, TRAILER MOUNTED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
L20	0.10	LIGHTING SETS, TRAILER MOUNTED	95	A	B	8,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.84	1.50
L25	0.00	LINE STRIPING EQUIPMENT	95	A	B	8,000	0.20	85	.850	.077	.041	13	.130	.012	.006	.000	.102	.102	0.76	0.68	0.84	1.20
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.119	.119	0.76	0.68	0.84	1.00
L30	0.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES	95	S	B	8,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.477	.119	.119	0.29	0.23	0.33	1.10
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	A	B	10,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.170	.101	0.00	0.00	0.00	1.10
L35	0.00	LOADERS, FRONT END, CRAWLER TYPE	40	S	B	8,000	0.20	91	.910	.082	.044	0	.000	.000	.000	.000	.170	.101	0.00	0.00	0.00	1.25

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
L40	0.00	LOADERS, FRONT END, WHEEL TYPE	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	A	B	9,250	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.170	.111	0.88	0.58	0.98	0.70
L40	0.11	ARTICULATED, 0 THRU 225 HP	45	S	B	8,750	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.170	.111	0.30	0.18	0.34	0.80
L40	0.12	ARTICULATED, OVER 225 HP	45	A	B	13,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.170	.080	0.88	0.58	0.98	0.70
L40	0.12	ARTICULATED, OVER 225 HP	45	S	B	12,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.170	.080	0.30	0.18	0.34	0.75
L40	0.20	SKID STEER	45	A	B	7,500	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.170	.111	0.78	0.39	0.86	0.80
L40	0.21	SKID STEER ATTACHMENTS	45	A	B	4,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.170	.170	0.00	0.00	0.00	1.00
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	A	B	10,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.170	.111	0.83	0.55	0.93	0.85
L40	0.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP	45	S	B	9,250	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.170	.111	0.32	0.22	0.36	0.90
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	A	B	11,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.170	.080	0.83	0.64	0.93	0.85
L40	0.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP	45	S	B	10,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.170	.080	0.32	0.22	0.36	0.90
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	A	B	8,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.441	.524	0.00	0.00	0.00	1.35
L45	0.00	LOADERS / BACKHOE, CRAWLER TYPE	40	S	B	6,000	0.20	91	.910	.082	.044	0	.000	.000	.000	.000	.441	.524	0.00	0.00	0.00	1.40
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	A	B	9,500	0.25	50	.500	.045	.024	0	.000	.000	.000	.000	.441	.441	0.86	0.66	0.96	0.80
L50	0.00	LOADERS / BACKHOE, WHEEL TYPE	45	S	B	6,000	0.25	70	.700	.063	.034	0	.000	.000	.000	.000	.441	.441	0.30	0.18	0.34	0.85

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
L55	0.00	LOADER / BACKHOE, ATTACHMENTS	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.441	.441	0.00	0.00	0.00	1.00
L60	0.00	LOG SKIDDERS	75	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.119	0.88	0.58	0.98	0.70
L60	0.00	LOG SKIDDERS	75	S	B	8,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.119	0.32	0.19	0.36	0.80
M10	0.00	MARINE EQUIPMENT (NON DREDGING)	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
M10	0.11	AQUATIC MAINTENANCE	10 5	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.70
M10	0.12	AQUATIC MAINTENANCE ATTACHMENTS	10 5	A	B	6,000	0.20	80	.800	.072	.038	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.60
M10	0.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE	10 5	A	B	16,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.70
M10	0.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE	10 5	A	B	16,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.80
M10	0.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE	10 5	A	B	16,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.80
M10	0.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE	10 5	A	B	8,000	0.10	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.70
M10	0.25	HYDRAULIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE	10 5	A	B	6,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.70
M10	0.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS	10 5	A	B	6,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.60

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	20	A	B	18,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.102	.102	0.00	0.00	0.00	1.00
M10	0.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY	20	S	B	16,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.477	.102	.102	0.00	0.00	0.00	1.05
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	65	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.161	.161	0.00	0.00	0.00	1.00
M10	0.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS	65	S	B	9,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.477	.161	.161	0.00	0.00	0.00	1.10
M10	0.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH	10 5	A	B	20,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.90
M10	0.41	WORK FLOATS (SECTIONAL, NON-DREDGING)	10 5	A	B	6,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.50
M10	0.42	WORK BARGES (SECTIONAL, NON-DREDGING)	10 5	A	B	30,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.60
M10	0.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)	10 5	A	B	90,000	0.05	20	.200	.018	.010	0	.000	.000	.000	.000	.000	.136	0.00	0.00	0.00	0.60
M10	0.46	DUMP SCOW (NON-DREDGING)	10 5	A	B	90,000	0.05	20	.200	.018	.010	0	.000	.000	.000	.000	.000	.136	0.00	0.00	0.00	0.70
M10	0.47	DRILL BARGE (NON-DREDGING)	10 5	A	B	30,000	0.05	20	.200	.018	.010	0	.000	.000	.000	.000	.000	.136	0.00	0.00	0.00	0.70
M10	0.48	ALL OTHER BARGES (NON-DREDGING)	10 5	A	B	30,000	0.05	20	.200	.018	.010	0	.000	.000	.000	.000	.000	.136	0.00	0.00	0.00	0.70
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	10 5	A	B	16,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.161	0.00	0.00	0.00	0.70
M10	0.51	BOATS & LAUNCHES, 0 THRU 250 HP	10 5	S	B	13,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.477	.136	.161	0.00	0.00	0.00	0.75

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
M10	0.53	BOATS & LAUNCHES, GREATER THAN 250 HP	105	A	B	18,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.161	0.00	0.00	0.00	0.80
M10	0.53	BOATS & LAUNCHES, GREATER THAN 250 HP	105	S	B	15,000	0.10	85	.850	.077	.041	0	.000	.000	.000	.477	.136	.161	0.00	0.00	0.00	0.85
M10	0.54	TUGS, UNDER 1,000 HP	105	A	B	40,000	0.10	60	.600	.054	.029	50	.500	.045	.024	.477	.136	.161	0.00	0.00	0.00	0.90
M10	0.55	TUGS, GREATER THAN 1,000 HP	105	A	B	55,000	0.10	60	.600	.054	.029	50	.500	.045	.024	.477	.136	.161	0.00	0.00	0.00	1.00
P10	0.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS	50	A	B	6,000	0.35	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.136	0.00	0.00	0.00	0.80
P20	0.00	PILE HAMMERS, DOUBLE ACTING	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
P20	0.10	PILE HAMMERS, DOUBLE ACTING - DIESEL	50	A	B	6,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.10
P20	0.20	PILE HAMMERS, DOUBLE ACTING - PNEUMATIC (STEAM/AIR)	50	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.10
P25	0.00	PILE HAMMERS, SINGLE ACTING	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
P25	0.10	PILE HAMMERS, SINGLE ACTING - DIESEL	50	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.00
P25	0.20	PILE HAMMERS, SINGLE ACTING - PNEUMATIC (STEAM/AIR)	50	A	B	6,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.00
P30	0.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY	50	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.136	0.00	0.00	0.00	1.00
P35	0.00	PIPELAYERS	70	A	B	14,000	0.20	35	.350	.032	.017	0	.000	.000	.000	.000	.000	.170	0.00	0.00	0.00	0.95
P35	0.00	PIPELAYERS	70	S	B	11,500	0.20	46	.460	.041	.022	0	.000	.000	.000	.000	.000	.170	0.00	0.00	0.00	1.10
P40	0.00	PLATFORMS & MAN-LIFTS	20	A	B	8,000	0.10	50	.500	.045	.024	50	.500	.045	.024	.477	.136	.119	1.08	0.94	1.20	0.80

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
P45	0.00	PUMPS, GROUT	95	A	B	8,000	0.15	95	.950	.086	.045	0	.000	.000	.000	.477	.136	.119	1.08	0.97	1.20	1.00
P50	0.00	PUMPS, WATER, CENTRIFUGAL, TRASH	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
P50	0.11	ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.73	0.90
P50	0.12	ELECTRIC DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.73	0.50
P50	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.73	0.90
P50	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.73	0.50
P50	0.31	PUMPS, WATER, CENTRIFUGAL, TRASH - HOSES, PUMP, SUCTION & DISCHARGE	95	A	B	4,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	1.50
P55	0.00	PUMPS, WATER, SUBMERSIBLE	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
P55	0.01	ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.73	1.00
P55	0.02	ELECTRIC DRIVE (PROVIDE POWER SOURCE)	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.73	0.60
P60	0.00	PUMPS, WATER, CENTRIFUGAL, DEWATERING	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
P60	0.11	SKID MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.00	0.90
P60	0.12	SKID MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.00	0.50
P60	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.73	0.90
P60	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.73	0.50

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
P65	0.00	PUMPS, WATER, DIAPHRAGM	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
P65	0.11	SKID MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.00	0.90
P65	0.12	SKID MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.00	0.50
P65	0.21	WHEEL MOUNTED, ENGINE DRIVE	95	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.73	0.80
P65	0.22	WHEEL MOUNTED, ELECTRIC DRIVE	95	A	B	8,000	0.15	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.73	0.40
P70	0.00	PUMPS, WATER (For core drills)	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
P70	0.01	PUMPS, WATER (For core drills) - ENGINE DRIVE	95	A	B	8,000	0.25	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.161	0.00	0.00	0.00	0.80
P70	0.02	PUMPS, WATER (For core drills) - ELECTRIC DRIVE	95	A	B	8,000	0.25	90	.900	.081	.043	0	.000	.000	.000	.477	.000	.000	0.00	0.00	0.00	0.40
R10	0.00	RIPPERS (Add cost for point wear)	70	A	B	8,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.90
R10	0.00	RIPPERS (Add cost for point wear)	70	S	B	6,500	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	1.00
R15	0.00	ROLLERS, STATIC, TOWED, PNEUMATIC	55	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.93	0.70
R20	0.00	ROLLERS, STATIC, TOWED, STEEL DRUM	55	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.93	0.80
R30	0.00	ROLLERS, STATIC, SELF-PROPELLED	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
R30	0.01	PNEUMATIC	55	A	B	8,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.000	.102	.102	0.88	0.58	0.98	0.70
R30	0.02	SMOOTH DRUM	55	A	B	10,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	0.80

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
R30	0.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS	55	A	B	12,000	0.20	80	.800	.072	.038	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.00	0.80
R40	0.00	ROLLERS, VIBRATORY, TOWED	55	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	0.80
R45	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM	55	A	B	8,000	0.20	90	.900	.081	.043	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.10
R50	0.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM	55	A	B	8,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.88	0.67	0.98	1.00
R55	0.00	ROOFING EQUIPMENT	95	A	B	6,000	0.15	60	.600	.054	.029	0	.000	.000	.000	.477	.102	.102	0.98	0.88	1.09	0.80
S10	0.00	SCRAPERS, ELEVATING	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
S10	0.01	0 THRU 200 HP	60	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.000	.170	0.76	0.49	0.84	0.90
S10	0.01	0 THRU 200 HP	60	S	B	8,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.000	.170	0.26	0.15	0.29	1.00
S10	0.02	OVER 200 HP	60	A	B	13,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.000	.136	0.76	0.49	0.84	0.95
S10	0.02	OVER 200 HP	60	S	B	11,500	0.25	85	.850	.077	.041	0	.000	.000	.000	.000	.000	.136	0.26	0.15	0.29	1.00
S15	0.00	SCRAPERS, CONVENTIONAL	60	A	B	15,000	0.20	60	.600	.054	.029	0	.000	.000	.000	.000	.000	.136	0.76	0.49	0.84	0.80
S15	0.00	SCRAPERS, CONVENTIONAL	60	S	B	12,500	0.20	78	.780	.070	.037	0	.000	.000	.000	.000	.000	.136	0.26	0.15	0.29	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	A	B	15,000	0.20	62	.620	.056	.030	62	.620	.056	.030	.000	.000	.110	0.76	0.49	0.84	0.85
S20	0.00	SCRAPERS, TANDEM POWERED	60	S	B	13,500	0.20	81	.810	.073	.039	81	.810	.073	.039	.000	.000	.110	0.26	0.15	0.29	0.90
S25	0.00	SCRAPERS, TRACTOR DRAWN	60	A	B	11,500	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.76	0.19	0.84	0.70
S25	0.00	SCRAPERS, TRACTOR DRAWN	60	S	B	10,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.26	0.15	0.29	0.75
S30	0.00	SCREENING & CRUSHING PLANTS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
S30	0.10	CONVEYORS	95	A	B	10,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.76	0.49	0.96	0.70
S30	0.10	CONVEYORS	95	S	B	8,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.163	.142	0.26	0.15	0.37	0.85
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	95	A	B	25,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.96	1.00
S30	0.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR	95	S	B	15,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.163	.142	0.00	0.00	0.37	1.25
S30	0.21	CRUSHERS - CONE	95	A	B	25,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.76	0.49	0.96	1.20
S30	0.21	CRUSHERS - CONE	95	S	B	15,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.163	.142	0.26	0.15	0.37	1.60
S30	0.22	CRUSHERS - JAW	95	A	B	25,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.76	0.49	0.96	0.65
S30	0.22	CRUSHERS - JAW	95	S	B	15,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.163	.142	0.26	0.15	0.37	0.85
S30	0.30	SCREENING PLANT	95	A	B	10,000	0.10	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.76	0.49	0.96	0.80
S30	0.30	SCREENING PLANT	95	S	B	8,000	0.10	78	.780	.070	.037	0	.000	.000	.000	.577	.163	.142	0.26	0.15	0.37	1.00
S35	0.00	SNOW REMOVAL EQUIPMENT	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.000	.119	0.68	0.44	0.76	0.80
S40	0.00	SOIL & ROAD STABILIZERS	60	A	B	10,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.000	.119	0.97	0.64	1.08	0.85
S40	0.00	SOIL & ROAD STABILIZERS	60	S	B	8,000	0.20	91	.910	.082	.044	0	.000	.000	.000	.000	.000	.119	0.38	0.22	0.42	0.95
S45	0.00	SPLITTERS, ROCK & CONCRETE	95	A	B	6,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.136	0.00	0.00	0.00	1.00
T10	0.00	TRACTOR BLADES & ATTACHMENTS (including agricultural)	70	A	B	10,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.76	0.80
T10	0.00	TRACTOR BLADES & ATTACHMENTS (including agricultural)	70	S	B	8,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	1.08	0.90

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
T15	0.00	TRACTORS, CRAWLER (DOZER) (includes blade)	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T15	0.01	0 THRU 225 HP	70	A	B	10,000	0.30	70	.700	.063	.034	0	.000	.000	.000	.000	.000	.153	0.00	0.00	0.00	1.10
T15	0.01	0 THRU 225 HP	70	S	B	8,000	0.30	91	.910	.082	.044	0	.000	.000	.000	.000	.000	.153	0.00	0.00	0.00	1.25
T15	0.02	226 HP THRU 425 HP	70	A	B	11,500	0.25	70	.700	.063	.034	0	.000	.000	.000	.000	.000	.119	0.00	0.00	0.00	1.20
T15	0.02	226 HP THRU 425 HP	70	S	B	10,500	0.25	91	.910	.082	.044	0	.000	.000	.000	.000	.000	.119	0.00	0.00	0.00	1.25
T15	0.03	OVER 425 HP	70	A	B	15,000	0.20	60	.600	.054	.029	0	.000	.000	.000	.000	.000	.066	0.00	0.00	0.00	1.20
T15	0.03	OVER 425 HP	70	S	B	12,500	0.20	78	.780	.070	.037	0	.000	.000	.000	.000	.000	.066	0.00	0.00	0.00	1.35
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	A	B	14,000	0.15	60	.600	.054	.029	0	.000	.000	.000	.000	.102	.119	0.98	0.64	1.09	0.60
T20	0.00	TRACTORS, WHEEL TYPE (DOZER)	75	S	B	13,000	0.15	78	.780	.070	.037	0	.000	.000	.000	.000	.102	.119	0.34	0.20	0.38	0.65
T25	0.00	TRACTORS, AGRICULTURAL	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T25	0.10	CRAWLER	75	A	B	10,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.119	0.00	0.00	0.00	0.85
T25	0.20	WHEEL	75	A	B	8,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.119	0.86	0.56	0.96	0.70
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	80	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.119	.119	1.08	0.71	1.20	0.90
T30	0.00	TRENCHERS, CHAIN TYPE CUTTER	80	S	B	6,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.119	.119	0.42	0.24	0.47	1.00
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	80	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.119	.119	1.08	0.71	1.20	0.90
T35	0.00	TRENCHERS, WHEEL TYPE CUTTER	80	S	B	6,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.119	.119	0.42	0.24	0.47	1.00

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
T40	0.00	TRUCK OPTIONS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T40	0.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.136	0.00	0.00	0.00	0.80
T40	0.20	DUMP BODY, REAR	95	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.70
T40	0.20	DUMP BODY, REAR	95	S	B	6,500	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.80
T40	0.30	FLATBEDS, WITH SIDES	95	A	B	8,000	0.20	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.60
T40	0.41	HOIST, ELECTRIC DRIVE	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.136	0.00	0.00	0.00	0.70
T40	0.50	TRANSIT MIXERS	95	A	B	8,000	0.15	65	.650	.059	.031	35	.350	.032	.017	.477	.136	.136	0.68	0.52	0.76	0.70
T40	0.60	WATER TANKS	95	A	B	8,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.136	0.00	0.00	0.00	0.60
T40	0.70	ALL OTHER OPTIONS	95	A	B	8,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.136	0.68	0.52	0.76	0.70
T45	0.00	TRUCK TRAILERS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T45	0.10	BOTTOM DUMP	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.70
T45	0.10	BOTTOM DUMP	95	S	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.23	0.80
T45	0.20	END / SIDE DUMP	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.65
T45	0.20	END / SIDE DUMP	95	S	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.23	0.75
T45	0.30	PUP TRAILER	95	A	B	8,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.60
T45	0.41	LOWBOY, RIGID NECK, DROP DECK	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.50
T45	0.50	FLATBED TRAILER	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.50

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
T45	0.60	MISCELLANEOUS / UTILITY	95	A	B	10,000	0.10	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.50
T45	0.70	WATER TANKER TRAILER	95	A	B	10,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.119	.102	0.00	0.92	0.73	0.60
T45	0.80	DECONTAMINATION FACILITY	95	A	B	8,000	0.25	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.73	0.70
T45	0.90	TANK TRAILERS	95	A	B	10,000	0.25	65	.650	.059	.031	0	.000	.000	.000	.000	.119	.102	0.00	0.00	0.73	0.70
T50	0.00	TRUCKS, HIGHWAY (Add attachments as required)	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T50	0.01	0 THRU 10,000 GVW	85	A	S	8,000	0.20	15	.150	.014	.007	0	.000	.000	.000	.000	.119	.102	0.66	0.59	0.73	0.70
T50	0.01	0 THRU 10,000 GVW	85	S	S	6,000	0.20	20	.200	.018	.010	0	.000	.000	.000	.000	.119	.102	0.26	0.20	0.28	0.75
T50	0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	85	A	S	10,000	0.20	35	.350	.032	.017	0	.000	.000	.000	.000	.127	.110	0.66	0.59	0.73	0.65
T50	0.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)	85	S	S	8,000	0.20	46	.460	.041	.022	0	.000	.000	.000	.000	.127	.110	0.26	0.20	0.28	0.70
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	85	A	S	12,000	0.20	50	.500	.045	.024	0	.000	.000	.000	.000	.136	.119	0.66	0.59	0.73	0.65
T50	0.03	OVER 30,000 GVW (Chassis only - Add options)	85	S	S	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.136	.119	0.26	0.20	0.28	0.75
T55	0.00	TRUCKS, OFF-HIGHWAY	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T55	0.10	RIGID FRAME	90	A	B	13,000	0.15	35	.350	.032	.017	0	.000	.000	.000	.000	.000	.144	0.78	0.68	0.86	0.90
T55	0.10	RIGID FRAME	90	S	B	12,000	0.15	45	.450	.041	.022	0	.000	.000	.000	.000	.000	.144	0.27	0.21	0.30	0.95
T55	0.20	ARTICULATED FRAME	90	A	B	9,500	0.15	50	.500	.045	.024	0	.000	.000	.000	.000	.000	.080	0.78	0.68	0.86	0.80
T55	0.20	ARTICULATED FRAME	90	S	B	9,000	0.15	60	.600	.054	.029	0	.000	.000	.000	.000	.000	.080	0.27	0.21	0.30	0.85

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
T56	0.00	TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T56	0.10	PRIME MOVER TRACTORS	90	A	B	20,000	0.15	40	.400	.036	.019	0	.000	.000	.000	.000	.102	.144	0.78	0.51	0.86	0.90
T56	0.10	PRIME MOVER TRACTORS	90	S	B	18,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.136	0.29	0.17	0.32	0.95
T56	0.20	WAGONS, BOTTOM DUMP	90	A	B	15,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.136	0.86	0.66	0.96	0.65
T56	0.20	WAGONS, BOTTOM DUMP	90	S	B	10,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.136	0.33	0.22	0.37	0.75
T56	0.30	WAGONS, REAR DUMP	90	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.136	0.86	0.75	0.96	0.60
T57	0.00	TRUCKS, VACUUM	95	A	B	10,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.119	0.66	0.59	0.73	0.80
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	90	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.136	0.86	0.66	0.96	0.70
T60	0.00	TRUCKS, WATER, OFF-HIGHWAY	90	S	B	10,000	0.20	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.136	0.29	0.19	0.32	0.80
T65	0.00	TUNNEL/MINING EQUIPMENT	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
T65	0.10	DRIFTING & TUNNELING DRILLS	25	A	B	14,000	0.15	80	.800	.072	.038	13	.130	.012	.006	.530	.136	.119	1.08	0.71	1.20	0.90
T65	0.20	TUNNEL BORING MACHINES	95	A	B	18,000	0.15	70	.700	.063	.034	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	0.70
T65	0.20	TUNNEL BORING MACHINES	95	S	B	16,000	0.15	91	.910	.082	.044	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	0.80
T65	0.30	PRODUCTION DRILLING RIGS	25	A	B	12,000	0.15	80	.800	.072	.038	0	.000	.000	.000	.530	.136	.119	0.00	0.00	0.00	0.90
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	95	A	B	16,000	0.15	70	.700	.063	.034	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	0.90
T65	0.40	ROADHEADERS & CONTINUOUS MINERS	95	S	B	14,000	0.15	91	.910	.082	.044	0	.000	.000	.000	.530	.000	.000	0.00	0.00	0.00	1.00
T65	0.50	ROCK BOLTING EQUIPMENT	95	A	B	10,000	0.20	80	.800	.072	.038	10	.100	.009	.005	.530	.136	.119	0.00	0.00	0.00	0.80

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
T65	0.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS	95	A	B	12,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.000	.136	.127	0.00	0.00	0.00	0.75
T65	0.62	LOADING & HAULING EQUIPMENT, ELECTRIC	95	A	B	14,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.477	.102	.102	0.00	0.00	0.00	0.70
T65	0.63	LOADING & HAULING EQUIPMENT, AIR-POWERED	95	A	B	10,000	0.25	70	.700	.063	.034	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.65
T65	0.70	LOCOMOTIVES	95	A	B	12,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.477	.136	.119	0.00	0.00	0.00	0.75
T65	0.90	OTHER TUNNELING EQUIPMENT	95	A	B	10,000	0.20	70	.700	.063	.034	13	.130	.012	.006	.477	.136	.127	0.00	0.00	0.00	0.80
W10	0.00	WAGONS, BOTTOM DUMP	90	A	B	12,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.136	0.86	0.66	0.96	0.65
W10	0.00	WAGONS, BOTTOM DUMP	90	S	B	10,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.136	0.26	0.18	0.29	0.75
W15	0.00	WAGONS, REAR DUMP	90	A	B	12,000	0.15	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.136	0.78	0.68	0.86	0.60
W15	0.00	WAGONS, REAR DUMP	90	S	B	10,000	0.15	85	.850	.077	.041	0	.000	.000	.000	.000	.102	.136	0.26	0.20	0.29	0.70
W25	0.00	WATER & CO2 BLASTERS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
W25	0.10	LOW PRESSURE, (< 5,000 PSI)	95	A	B	4,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.424	.102	.119	0.76	0.58	0.84	1.10
W25	0.20	HIGH PRESSURE, (>= 5,000 PSI)	95	A	B	4,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.424	.102	.119	0.00	0.00	0.76	1.20
W25	0.30	STEAM CLEANERS	95	A	B	4,000	0.20	95	.950	.086	.045	0	.000	.000	.000	.424	.102	.119	0.00	0.00	0.76	1.10
W25	0.40	CO2 BLASTERS	95	A	B	6,000	0.20	70	.700	.063	.034	0	.000	.000	.000	.530	.127	.148	0.00	0.00	0.76	1.00
W25	0.50	WET ABRASIVE BLASTING SYSTEM (TORBO)	95	A	B	10,000	0.35	0	.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.76	0.66	0.84	0.40
W30	0.00	WATER TANKS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
W30	0.10	PORTABLE WITH WHEELS	90	A	B	11,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.119	0.00	0.00	0.76	0.60

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor

Equipment Hourly Calculation Factors

CAT	SUB	Description							Equipment Fuel Factors				Carrier Fuel Factors			FOG Factors			Tire Wear Factors			RCF
			EK	C	DC	LIFE	SLV	HPF	E	G	D	HPF	E	G	D	E	G	D	FT	DT	TT	
W30	0.20	SKID MOUNTED	90	A	B	11,000	0.20	65	.650	.059	.031	0	.000	.000	.000	.000	.102	.119	0.00	0.00	0.00	0.50
W35	0.00	WELDERS	1						.000	.000	.000	0	.000	.000	.000	.000	.000	.000	0.00	0.00	0.00	0.00
W35	0.10	ENGINE DRIVEN	95	A	B	8,000	0.25	80	.800	.072	.038	0	.000	.000	.000	.000	.102	.102	0.00	0.00	0.96	0.75
W35	0.20	ELECTRIC DRIVEN	95	A	B	6,000	0.20	30	.300	.027	.014	0	.000	.000	.000	.424	.000	.000	0.00	0.00	0.00	0.50

CAT = Category SUB = Subcategory EK = Economic Key (Appendix E) LIFE = Economic Life E = Electric Powered FT = Front Tire C = Operating Conditions (A=average, S=severe) SLV = Salvage Value G = Gas Powered DT = Drive Tire DC = Discount Code (B=basic 7.5%, S=special 15%) HPF = Horsepower Factor D = Diesel Powered TT = Trailing Tire RCF = Repair Cost Factor