

Enclosure 2

Fuel Usage Input for Air Conformity Analysis (Annotated),
Bell Bend Nuclear Power Plant,
January 2012

COLUMN HEADING**DESCRIPTION OR EXPLANATION OF VALUE CONTAINED IN CELL**

Qty
On Site
Wk%
Hours or Distance
Usage Factor = 1.0
Hours per Piece of Equipment
Hours per Month
Shift Equivalent (22 days/mo)

Quantity of Equipment Class/Model # utilized to complete construction activity identified in first column of spreadsheet

Number of months assumed for duration of construction activity identified in first column of spreadsheet during which equipment will be utilized
Intermittent use of equipment is identified as total number of hours equipment will be used during construction activity

Sargent and Lundy Usage Factor or Efficiency Factor representing effective use percentage of time during on site duration of construction activity
Percentage accounts for weather delays, idle time, etc. to estimate net effective operating time the equipment is in use at rated horsepower

Assumed Shift Operating hours that have been reduced by the percentage in WK% column

Hours or Distance column divided by Wk% column to identify total shift hours available or Usage Factor set to 1.0

Column labeled Usage Factor = 1.0 divided by Qty column to identify hours each individual piece of equipment is operated during on site duration period

Hours for Each Piece of Equipment column divided by Onsite Column to determine hours per month for equipment operation

Approximate shift schedule 5-8s, 5-9s, or 6-10s that reflects Hours per Month assuming 22 operating days per month

Section 1 Non-Road Construction Equipment	Equipment	Class/Model #	HP	Tier	Qty	On Site	Wk%	Hours or Distance	Usage Factor = 1.0	Hours per Piece of Equipment	Hours per Month	Shift Equivalent (22 days/mo)
IA. Early Site Preparation												
Clearing, Deforesting, Grubbing & Grading												
Including:	Tracked Dozer	Cat D10	700 Hp	III	4	5 Mo	75%	3300 hr	4400	1100	220	6-10s
Access Roads	Tracked Loader	CAT 973C	263 Hp	III	3	5 Mo	75%	2475 hr	3300	1100	220	6-10s
Topsoil cut & stockpile	Excavator - Medium	Cat 321D	148 Hp	III	3	5 Mo	60%	1980 hr	3300	1100	220	6-10s
Topsoil Removal- 503414 cy	Excavator - With tree attachment	Cat 345D L	380 Hp	III	1	5 Mo	60%	660 hr	1100	1100	220	6-10s
Used for final grading - 128,000 cy	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	5 Mo	40%	880 hr	2200	1100	220	6-10s
Topsoil Stockpiled - 376257cy	Semi-Trailer Dump	Mack MP8	450 Hp	III	10	5 Mo	50%	5500 hr	11000	1100	220	6-10s
	Motor Grader	Cat 14M	259 Hp	III	2	5 Mo	45%	990 hr	2200	1100	220	6-10s
	Scraper	Cat 631G	462 Hp	III	8	5 Mo	60%	5280 hr	8800	1100	220	6-10s
	Scraper	Cat 631G	462 Hp	III	3	5 Mo	60%	1980 hr	3300	1100	220	6-10s
	Vibratory Soil Compactor	Cat CS74	156 Hp	III	1	5 Mo	60%	660 hr	1100	1100	220	6-10s
	Water Trucks	Mack MP6	150 Hp	II	1	5 Mo	40%	440 hr	1100	1100	220	6-10s
	Pickup Truck 3/4 ton	F-250	300 Hp		2	5 Mo	50%	1100 hr	2200	1100	220	6-10s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		2	5 Mo	50%	1100 hr	2200	1100	220	6-10s
	Fuel Truck	Mack MP6	150 Hp	II	2	5 Mo	20%	440 hr	2200	1100	220	6-10s
	Mechanic's Truck 2-1/2 ton	F-650	270 Hp	III	1	5 Mo	30%	300 hr	1000	1000	200	5-9s
IB. Site Development & Excavation												
Excavating/Backfilling/Earth/Soil/Rock Remove & Disposal - Intake Area, Switchyard, Northeast Laydown, West Laydown												
Estimated Quantities:	Tracked Dozer/Ripper	Cat D10	700 Hp	III	7	4 Mo	75%	4200 hr	5600	800	200	5-9s
Removal - 870,471cy	Scraper	Cat 637G (dual engine)	962 Hp	III	6	4 Mo	50%	2400 hr	4800	800	200	5-9s
Placement - 881,664cy	Excavator - Medium	Cat 321D	148 Hp	III	1	4 Mo	60%	480 hr	800	800	200	5-9s
	Tracked Loader	CAT 973C	263 Hp	III	6	4 Mo	70%	3360 hr	4800	800	200	5-9s
	Motor Grader	Cat 14M	259 Hp	III	1	4 Mo	50%	400 hr	800	800	200	5-9s
	Pickup Truck 3/4 ton	F-250	300 Hp		1	4 Mo	35%	280 hr	800	800	200	5-9s
	Water Trucks	Mack MP6	150 Hp	II	1	4 Mo	50%	400 hr	800	800	200	5-9s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		2	4 Mo	40%	640 hr	1600	800	200	5-9s
Excavating/Backfilling/Earth/Soil/Rock Remove & Disposal - Powerblock (Includes GIS, Switchyard, Cooling towers and North central laydown area)												
Estimated Quantities:	Tracked Dozer/Ripper	Cat D10	700 Hp	III	4	13 Mo	60%	6240 hr	10400	2600	200	5-9s
Removal - 10,837,579 cy	Tracked Dozer/Disk	Cat D9	410 Hp	III	1	13 Mo	60%	1560 hr	2600	2600	200	5-9s
Placement - 2,681,000 cy	Tracked Loader	CAT 973C	263 Hp	III	2	13 Mo	60%	3120 hr	5200	2600	200	5-9s
	Scraper	Cat 637G (dual engine)	962 Hp	III	15	13 Mo	50%	19500 hr	39000	2600	200	5-9s
	Vibratory Soil Compactor	Cat CS74	156 Hp	III	2	13 Mo	45%	2340 hr	5200	2600	200	5-9s
	Soil Compactor	Cat 825H	400 Hp	III	2	13 Mo	45%	2340 hr	5200	2600	200	5-9s
	Excavator - Medium	Cat 321D	148 Hp	III	2	13 Mo	60%	3120 hr	5200	2600	200	5-9s
	Tracked Loader	CAT 973C	263 Hp	III	6	13 Mo	70%	10920 hr	15600	2600	200	5-9s
	Motor Grader	Cat 14M	259 Hp	III	2	13 Mo	50%	2600 hr	5200	2600	200	5-9s
	Excavator - Large	Cat 375L	428 Hp	III	5	13 Mo	60%	7800 hr	13000	2600	200	5-9s
	Off Road Truck (80 ton payload)	Cat 773	650 Hp	III	30	13 Mo	45%	35100 hr	78000	2600	200	5-9s
	Pickup Truck 3/4 ton	F-250	300 Hp		3	13 Mo	35%	2730 hr	7800	2600	200	5-9s
	Water Trucks	Mack MP6	150 Hp	II	2	13 Mo	50%	2600 hr	5200	2600	200	5-9s
	Water Wagon 8000 gal	Cat 631G	462 Hp	II	1	13 Mo	50%	1300 hr	2600	2600	200	5-9s
	Mechanic's Truck 2-1/2 ton	F-650	270 Hp	III	2	13 Mo	30%	1560 hr	5200	2600	200	5-9s
	End Loader (Batch Plant)	Cat 966H	262 Hp	III	2	4 Mo	50%	704 hr	1408	704	176	5-8s
	Concrete Truck	Mack MP6	150 Hp	III	15	4 Mo	33%	3485 hr	10560	704	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		1	13 Mo	50%	1300 hr	2600	2600	200	5-9s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		2	13 Mo	40%	2080 hr	5200	2600	200	5-9s

	Fuel Truck	Mack MP6	150 Hp	II	4	13	Mo	20%	2080 hr	10400	2600	200	5-9s
Excavating/Backfilling/Earth/Soil/Rock Remove & Disposal - Parking													
Estimated Quantities:	Tracked Dozer	Cat D7E	235 Hp	III	2	5	Mo	75%	1500 hr	2000	1000	200	5-9s
Removal 287,820cy	Scraper	Cat 631G	462 Hp	III	1	5	Mo	50%	500 hr	1000	1000	200	5-9s
Placement 1,413,639 cy	Vibratory Soil Compactor	Cat CS74	156 Hp	III	2	5	Mo	45%	900 hr	2000	1000	200	5-9s
	Soil Compactor	Cat 825H	400 Hp	III	2	5	Mo	45%	900 hr	2000	1000	200	5-9s
	Excavator - Medium	Cat 321D	148 Hp	III	1	5	Mo	60%	600 hr	1000	1000	200	5-9s
	Tracked Loader	CAT 973C	263 Hp	III	1	5	Mo	70%	700 hr	1000	1000	200	5-9s
	Motor Grader	Cat 14M	259 Hp	III	1	5	Mo	50%	500 hr	1000	1000	200	5-9s
	Asphalt Paver	Barber GreeneAP-1000	174 Hp	III	1	5	Mo	50%	500 hr	1000	1000	200	5-9s
	Asphalt Compactor	Cat CB434C	107 Hp	III	1	5	Mo	50%	500 hr	1000	1000	200	5-9s
	Water Trucks	Mack MP6	150 Hp	II	1	5	Mo	50%	500 hr	1000	1000	200	5-9s
	Pickup Truck 3/4 ton	F-250	300 Hp		1	5	Mo	35%	350 hr	1000	1000	200	5-9s
	Fuel Truck	Mack MP6	150 Hp	II	1	5	Mo	20%	200 hr	1000	1000	200	5-9s
Excavating/Backfilling/Earth/Soil/Rock Remove & Disposal - Support road (Includes Quarry, Batch plant, Central laydown)													
Estimated Quantities:	Tracked Dozer	Cat D7E	235 Hp	III	4	15	Mo	75%	9000 hr	12000	3000	200	5-9s
Removal - 364,572 cy	Scraper	Cat 637G (dual engine)	962 Hp	III	3	15	Mo	50%	4500 hr	9000	3000	200	5-9s
Placement - 2,819,652 cy	Vibratory Soil Compactor	Cat CS74	156 Hp	III	1	15	Mo	45%	1350 hr	3000	3000	200	5-9s
	Soil Compactor	Cat 825H	400 Hp	III	2	15	Mo	45%	2700 hr	6000	3000	200	5-9s
	Excavator - Medium	Cat 321D	148 Hp	III	2	15	Mo	60%	3600 hr	6000	3000	200	5-9s
	Tracked Loader	CAT 973C	263 Hp	III	2	15	Mo	70%	4200 hr	6000	3000	200	5-9s
	Motor Grader	Cat 14M	259 Hp	III	2	8	Mo	50%	1600 hr	3200	1600	200	5-9s
	Asphalt Paver	Barber GreeneAP-1000	174 Hp	III	1	5	Mo	50%	500 hr	1000	1000	200	5-9s
	Asphalt Compactor	Cat CB434C	107 Hp	III	1	5	Mo	50%	500 hr	1000	1000	200	5-9s
	Pickup Truck 3/4 ton	F-250	300 Hp		1	15	Mo	35%	1050 hr	3000	3000	200	5-9s
	Water Trucks	Mack MP6	150 Hp	II	2	15	Mo	40%	2400 hr	6000	3000	200	5-9s
	Water Wagon 8000 gal	Cat 631G	462 Hp	II	1	15	Mo	40%	1200 hr	3000	3000	200	5-9s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		2	15	Mo	50%	3000 hr	6000	3000	200	5-9s
Excavating/Backfilling/Earth/Soil/Rock Remove & Disposal - South Laydown													
Estimated Quantities:	Tracked Dozer	Cat D10	700 Hp	III	4	4	Mo	75%	2400 hr	3200	800	200	5-9s
Removal - 142,188cy	Soil Compactor	Cat 825H	400 Hp	III	1	4	Mo	45%	360 hr	800	800	200	5-9s
Placement - 3,815,583cy	Excavator - Medium	Cat 321D	148 Hp	III	3	4	Mo	60%	1440 hr	2400	800	200	5-9s
	Motor Grader	Cat 14M	259 Hp	III	1	4	Mo	50%	400 hr	800	800	200	5-9s
	Water Trucks	Mack MP6	150 Hp	II	1	4	Mo	50%	400 hr	800	800	200	5-9s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	4	Mo	50%	400 hr	800	800	200	5-9s
Boring/Soils investigation													
Includes Wells & Dewatering	Schramm T64 Well Drilling Rig	Cat 3406 diesel	420 Hp	II	1	4	Mo	35%	246 hr	704	704	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		1	4	Mo	50%	352 hr	704	704	176	5-8s
Underground utilities, piping, duct runs, grounding													
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	8	Mo	40%	1126 hr	2816	1408	176	5-8s
	Tracked Dozer	Cat D7E	235 Hp	III	2	8	Mo	60%	1690 hr	2816	1408	176	5-8s
	Backhoe	Cat 430E	102 Hp	III	6	8	Mo	60%	5069 hr	8448	1408	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		8	8	Mo	40%	4506 hr	11264	1408	176	5-8s
	Excavator - Medium	Cat 321D	148 Hp	III	2	8	Mo	60%	1690 hr	2816	1408	176	5-8s
	Semi-Trailer Dump	Mack E8	400 Hp	III	1	8	Mo	60%	845 hr	1408	1408	176	5-8s
Warehouse & Storage													
Construction & Operation	Fork Lift - 15,000 Lb capacity	Cat DP70E	94 Hp	III	2	68	Mo	35%	8378 hr	23936	11968	176	5-8s
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	68	Mo	40%	9574 hr	23936	11968	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		2	68	Mo	50%	11968 hr	23936	11968	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	68	Mo	30%	3590 hr	11968	11968	176	5-8s

	Material truck 2-1/2 ton	F-650	270 Hp	III	1	68	Mo	25%	2992 hr	11968	11968	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	1	68	Mo	45%	5386 hr	11968	11968	176	5-8s
PART 1 PRE-CONSTRUCTION GAS													
PART 1 PRE-CONSTRUCTION DIESEL													
IIA. Civil/Concrete structure Work													
Bridge Construction (7 Bridges)													
	Tracked Dozer	Cat D10	700 Hp	III	3	12	Mo	50%	3600 hr	7200	2400	200	5-9s
	Tracked Dozer	Cat D8	305 Hp	III	2	12	Mo	50%	2400 hr	4800	2400	200	5-9s
	Soil Compactor	Cat 825H	400 Hp	III	2	12	Mo	45%	2160 hr	4800	2400	200	5-9s
	Excavator - Medium	Cat 321D	148 Hp	III	4	12	Mo	50%	4800 hr	9600	2400	200	5-9s
	Motor Grader	Cat 14M	259 Hp	III	1	12	Mo	40%	960 hr	2400	2400	200	5-9s
	Water Trucks	Mack MP6	150 Hp	II	1	12	Mo	50%	1200 hr	2400	2400	200	5-9s
	Concrete Truck	Mack MP6	150 Hp	III	5	12	Mo	45%	4752 hr	10560	2112	176	5-8s
	Tractor Loader/Backhoe	Case 580	80 Hp	III	3	12	Mo	60%	3802 hr	6336	2112	176	5-8s
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	4	12	Mo	50%	4224 hr	8448	2112	176	5-8s
	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	2	12	Mo	50%	2112 hr	4224	2112	176	5-8s
	Truck Mtd Boom 200 yds/hr Concrete Pump	Putzmeister 47Z-Meter	300 Hp	III	1	12	Mo	25%	528 hr	2112	2112	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		2	12	Mo	25%	1056 hr	4224	2112	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	12	Mo	25%	528 hr	2112	2112	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	2	12	Mo	45%	1901 hr	4224	2112	176	5-8s
	End Loader (Batch Plant)	Cat 966H	262 Hp	III	1	12	Mo	50%	1056 hr	2112	2112	176	5-8s
Sheet Piling													
	Crane - Lattice Boom+Hammer	Manitowoc 111 - 80t	205 Hp	III	1	4	Mo	50%	352 hr	704	704	176	5-8s
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	4	Mo	35%	493 hr	1408	704	176	5-8s
Structural concrete													
	Truck Mtd Boom 200 yds/hr Concrete Pump	Putzmeister 47Z-Meter	300 Hp	III	5	2000	Hr	75%	7500 hr	10000	2000	N/A	Intermittent
	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	5	36	Mo	25%	7920 hr	31680	6336	176	5-8s
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	5	36	Mo	30%	9504 hr	31680	6336	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		12	36	Mo	25%	19008 hr	76032	6336	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		4	36	Mo	25%	6336 hr	25344	6336	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	6	36	Mo	45%	17107 hr	38016	6336	176	5-8s
	End Loader (Batch Plant)	Cat 966H	262 Hp	III	2	36	Mo	50%	6336 hr	12672	6336	176	5-8s
	Concrete Truck	Mack MP6	150 Hp	III	10	36	Mo	33%	20909 hr	63360	6336	176	5-8s
	Tractor Loader/Backhoe	Case 580	80 Hp	III	4	36	Mo	50%	12672 hr	25344	6336	176	5-8s
Non Power Block - Pump House, Switchyard, Cooling Towers, Pump House													
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	36	Mo	67%	8490 hr	12672	6336	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		2	36	Mo	40%	5069 hr	12672	6336	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	36	Mo	40%	2534 hr	6336	6336	176	5-8s
	Material truck 2-1/2 ton (Licensed for off site use)	F-650	270 Hp	III	1	36	Mo	25%	1584 hr	6336	6336	176	5-8s
	Truck Mounted Boom Concrete Pump	Putzmeister 47Z-Meter	300 Hp	III	3	12	Mo	30%	1901 hr	6336	2112	176	5-8s
	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	2	36	Mo	50%	6336 hr	12672	6336	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	1	24	Mo	45%	1901 hr	4224	4224	176	5-8s
Switchyard													
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	18	Mo	50%	3168 hr	6336	3168	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		2	18	Mo	40%	2534 hr	6336	3168	176	5-8s
	Material truck 2-1/2 ton	F-650	270 Hp	III	1	18	Mo	25%	792 hr	3168	3168	176	5-8s
	Truck Mounted Boom Concrete Pump	Putzmeister 47Z-Meter	300 Hp	III	3	18	Mo	10%	950 hr	9504	3168	176	5-8s
	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	1	18	Mo	25%	792 hr	3168	3168	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	1	18	Mo	45%	1426 hr	3168	3168	176	5-8s
Cooling Tower													
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	4	18	Mo	67%	8490 hr	12672	3168	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		3	18	Mo	40%	3802 hr	9504	3168	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	18	Mo	40%	1267 hr	3168	3168	176	5-8s

	Material truck 2-1/2 ton	F-650	270 Hp	III	1	18	Mo	25%	792 hr	3168	3168	176	5-8s
	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	2	18	Mo	25%	1584 hr	6336	3168	176	5-8s
	Truck Mounted Boom Concrete Pump	Putzmeister 47Z-Meter	300 Hp	III	3	12	Mo	30%	1901 hr	6336	2112	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	1	36	Mo	45%	2851 hr	6336	6336	176	5-8s
PART IIA GAS													
PART IIA DIESEL													
IIB. Superstructure & Structural Steel													
Structural and building steel													
	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	5	12	Mo	50%	5280 hr	10560	2112	176	5-8s
	Crane - Lattice Boom	Manitowoc 999 - 275t	400 Hp	III	4	12	Mo	50%	4224 hr	8448	2112	176	5-8s
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	7	12	Mo	67%	9905 hr	14784	2112	176	5-8s
	Crane - Picker	Grove RT600E - 50t	173 Hp	III	7	12	Mo	60%	8870 hr	14784	2112	176	5-8s
	Boom Lift	JLG 800AJ	65 Hp	III	8	12	Mo	60%	10138 hr	16896	2112	176	5-8s
	Boom Lift - 80 ft	Genie S-80	74 Hp	III	8	12	Mo	60%	10138 hr	16896	2112	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	8	12	Mo	60%	10138 hr	16896	2112	176	5-8s
Building Modules & Heavy Lifts													
	Crane - Manitowoc	21000 - 1000t	600 Hp	III	1	24	Mo	20%	845 hr	4224	4224	176	5-8s
	Crane - Manitowoc	31000 - 2300t	1,200 Hp	III	1	12	Mo	20%	422 hr	2112	2112	176	5-8s
Building Siding/Insulated Panels													
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	6	Mo	50%	1056 hr	2112	1056	176	5-8s
	Boom Lift - 80 ft	Genie S-80	74 Hp	III	3	6	Mo	70%	2218 hr	3168	1056	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		2	6	Mo	40%	845 hr	2112	1056	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	6	Mo	40%	422 hr	1056	1056	176	5-8s
	Material truck 2-1/2 ton	F-650	270 Hp	III	1	6	Mo	50%	528 hr	1056	1056	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	2	6	Mo	50%	1056 hr	2112	1056	176	5-8s
Roofing													
	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	6	Mo	45%	950 hr	2112	1056	176	5-8s
	Boom Lift - 80 ft	Genie S-80	74 Hp	III	3	6	Mo	45%	1426 hr	3168	1056	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		1	6	Mo	40%	422 hr	1056	1056	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	6	Mo	40%	422 hr	1056	1056	176	5-8s
	Material truck 2-1/2 ton	F-650	270 Hp	III	1	6	Mo	50%	528 hr	1056	1056	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	2	6	Mo	45%	950 hr	2112	1056	176	5-8s
PART IIB GAS													
PART IIB DIESEL													
IIIA. Mechanical Installation													
Mechanical Installation													
Including:	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	5	42	Mo	40%	14784 hr	36960	7392	176	5-8s
Piping, Hangers & Pipe Specialties	Crane - Picker	Grove RT600E - 50t	173 Hp	III	3	12	Mo	40%	2534 hr	6336	2112	176	5-8s
Valves and Actuators	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	5	12	Mo	40%	4224 hr	10560	2112	176	5-8s
HVAC Ductwork, Dampers, Actuators, Fans	Crane - Lattice Boom	Manitowoc 999 - 275t	400 Hp	III	2	12	Mo	40%	1690 hr	4224	2112	176	5-8s
Pump, chillers, coolers, Hx, Equipment	Crane - Lattice Boom	Manitowoc16000 - 440t	500 Hp	III	1	12	Mo	40%	845 hr	2112	2112	176	5-8s
Air compressors	Boom Lift	JLG 800AJ	65 Hp	III	5	12	Mo	50%	5280 hr	10560	2112	176	5-8s
Examination, Testing & Start-up	Boom Lift - 80 ft	Genie S-80	74 Hp	III	5	12	Mo	50%	5280 hr	10560	2112	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		4	24	Mo	30%	5069 hr	16896	4224	176	5-8s
	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	42	Mo	30%	2218 hr	7392	7392	176	5-8s
	Material truck 2-1/2 ton	F-650	270 Hp	III	2	42	Mo	30%	4435 hr	14784	7392	176	5-8s
	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	2	42	Mo	40%	5914 hr	14784	7392	176	5-8s
PART IIIA GAS													
PART IIIA DIESEL													
IIIB. Electrical Installation													
Electrical Installation													
Including:	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	5	42	Mo	60%	4435.2	7392	1478.4	N/A	Intermittent
Conduit, Cable Tray Raceway & Supports	Crane - Picker	Grove RT600E - 50t	173 Hp	III	3	12	Mo	50%	3168 hr	6336	2112	176	5-8s
Instrumentation (Racks, mounting, transmitters...)	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	II	5	12	Mo	50%	5280 hr	10560	2112	176	5-8s

Attachment 1
Worksheet 1 of 2 - Page 5 of 5
Total Fuel Usage (Safety and Non-safety related work)

Construction Vehicle Fuel Consumption Study		Total Fuel Usage (Daily and Non-Daily) and Work											
Power & Control Cable & Terminations	Crane - Lattice Boom	Manitowoc 999 - 275t	400 Hp	III	2	12	Mo	50%	2112 hr	4224	2112	176	5-8s
Isophase and nonsegregated bus duct	Crane - Lattice Boom	Manitowoc16000 - 440t	500 Hp	III	1	12	Mo	50%	1056 hr	2112	2112	176	5-8s
Control room panels, wiring and termination	Boom Lift	JLG 800AJ	65 Hp	III	5	12	Mo	50%	5280 hr	10560	2112	176	5-8s
Local Instrument and control equipment	Boom Lift - 80 ft	Genie S-80	74 Hp	III	5	12	Mo	50%	5280 hr	10560	2112	176	5-8s
Switchyard Breakers & Equipment	Crane - Lattice Boom	Manitowoc 555 - 150t	355 Hp	III	1	12	Mo	40%	845 hr	2112	2112	176	5-8s
Equipment and site grounding	Pickup Truck 3/4 ton	F-250	300 Hp		3	24	Mo	40%	5069 hr	12672	4224	176	5-8s
Communications and data systems	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	42	Mo	30%	2218 hr	7392	7392	176	5-8s
Examination, Testing & Start-up	Rough Terrain Extended Forklift	Lull 1044C-54	115 Hp	III	2	42	Mo	40%	5914 hr	14784	7392	176	5-8s
PART IIIB GAS													
PART IIIB DIESEL													
IV. Major equipment (heavy) lift and movement													
Including:													
Transformers and switchgear	Crane - Lattice Boom	Manitowoc16000 - 440t	500 Hp	III	1	12	Mo	25%	528 hr	2112	2112	176	5-8s
Large Motor installations	Crane - Lattice Boom	Manitowoc21000 - 1000t	600 Hp	III	1	12	Mo	25%	528 hr	2112	2112	176	5-8s
Reactor vessel, S/G, Containment Liner assemblies	Heavy Transporter	Goldhoffer	600 Hp	III	2	300	Hr	75%	300 hr	400	200	N/A	Intermittent
Turbine and generator parts and pieces	Heavy Transporter	Goldhoffer	600 Hp	III	1	300	Hr	75%	300 hr	400	400	N/A	Intermittent
Moisture separators, FW Heaters,	Heavy Transporter	Goldhoffer	600 Hp	III	1	300	Hr	75%	300 hr	400	400	N/A	Intermittent
PART IV GAS													
PART IV DIESEL													
V. Construction & Site Support													
Including:													
Service vehicles	Crane - Picker	Grove RT530E-2 30t	160 Hp	III	2	68	Mo	50%	11968 hr	23936	11968	176	5-8s
Janitorial / Garbage collection	Boom Lift - 80 ft	Genie S-80	74 Hp	III	3	68	Mo	25%	8976 hr	35904	11968	176	5-8s
Snow plowing and road maintenance	Pickup Truck 3/4 ton	F-250	300 Hp		3	68	Mo	25%	8976 hr	35904	11968	176	5-8s
Portable lighting	Pickup Truck 3/4 ton (Licensed for offsite use)	F-250	300 Hp		1	68	Mo	10%	1197 hr	11968	11968	176	5-8s
Portable generators	Material truck 2-1/2 ton	F-650	270 Hp	III	1	68	Mo	25%	2992 hr	11968	11968	176	5-8s
Welders	RR switch engine	Estimated 600 Hp	600 Hp	II	1	68	Mo	10%	1197 hr	11968	11968	176	5-8s
Air compressors	Welders		<50 Hp										
Portable lighting	Air compressors		<50 Hp										
	Portable Lighting		<50 Hp										
PART V GAS													
PART V DIESEL													
VI. Final site work/Grading													
Topsoil Restoration - 124,200 cy	Tracked Dozer	Cat D9	410 Hp	III	3	8	Mo	60%	2534 hr	4224	1408	176	5-8s
	Tracked Dozer	Cat D7	235 Hp	III	3	8	Mo	60%	2534 hr	4224	1408	176	5-8s
	Excavator - Medium	Cat 321D	148 Hp	III	1	8	Mo	50%	704 hr	1408	1408	176	5-8s
	Semi-Trailer Dump	Mack E8	400 Hp	III	6	8	Mo	50%	4224 hr	8448	1408	176	5-8s
	Motor Grader	Cat 14M	259 Hp	III	2	8	Mo	60%	1690 hr	2816	1408	176	5-8s
	Vibratory Soil Compactor	Cat CS74	156 Hp	III	3	8	Mo	60%	2534 hr	4224	1408	176	5-8s
	Pickup Truck 3/4 ton	F-250	300 Hp		2	8							