

**Fuel Consumption Summary**

<b>Construction Phase (gallons/construction period)</b>	<b>Gasoline</b>	<b>Diesel</b>		
Construction Vehicles	0	21,405		
Worker Trips	4,770	5		
Vendor Trips	72	1		
Haul Trucks	101	8,976		
Total	4,943	30,388		
			<b>Natural Gas</b>	<b>Electricity (kWh/yr)</b>
<b>Operations Phase (gallons/year)</b>	<b>Gasoline</b>	<b>Diesel</b>	<b>(kBTU/yr)</b>	
Reaches	0	0	0	0
All Land Uses	0	0	0	0

**OffRoad Fuel Consumption Summary**

Offroad Equipment Type	Amount	Usage Hours	Horse Power	Horsepower Category	Load Factor	Num Days	Year	Fuel Consumption Rate (gal/hour)	Total Fuel Consumption (gal/construction period)
Task 4a Site Preparation Other General Industrial Equipment	7	8	6	100	0.34	4	2019	1.4	106
Task 4a Site Preparation Other Material Handling Equipment	2	8	168	175	0.4	4	2019	2.8	72
Task 4a Site Preparation Rubber Tired Dozers	0	8	247	300	0.4	4	2019	4.5	0
Task 4a Site Preparation Tractors/Loaders/Backhoes	1	8	97	100	0.37	4	2019	1.6	19
Task 4b Other General Industrial Equipment	8	8	6	100	0.34	8	2019	1.4	242
Task 4b Other Material Handling Equipment	1	8	168	175	0.4	8	2019	2.8	72
Task 4b Rubber Tired Dozers	0	8	247	300	0.4	8	2019	4.5	0
Task 4b Tractors/Loaders/Backhoes	1	8	97	100	0.37	8	2019	1.6	38
Task 5a Excavators	1	8	158	175	0.38	5	2019	2.9	44
Task 5a Graders	0	8	187	175	0.41	5	2019	3.1	0
Task 5a Rubber Tired Dozers	0	8	247	300	0.4	5	2019	4.5	0
Task 5a Rubber Tired Loaders	1	8	203	300	0.36	5	2019	3.9	56
Task 5a Scrapers	0	8	367	300	0.48	5	2019	5.6	0
Task 5a Tractors/Loaders/Backhoes	0	8	97	100	0.37	5	2019	1.6	0
Task 5b Excavators	1	8	158	175	0.38	4	2019	2.9	35
Task 5b Graders	0	8	187	175	0.41	4	2019	3.1	0
Task 5b Rubber Tired Dozers	0	8	247	300	0.4	4	2019	4.5	0
Task 5b Rubber Tired Dozers	1	8	247	300	0.4	4	2019	4.5	57
Task 5b Scrapers	0	8	367	300	0.48	4	2019	5.6	0
Task 5b Tractors/Loaders/Backhoes	0	8	97	100	0.37	4	2019	1.6	0
Task 5c Concrete/Industrial Saws	0	8	81	100	0.73	5	2019	4.7	0
Task 5c Excavators	2	8	158	175	0.38	5	2019	2.9	88
Task 5c Rubber Tired Dozers	0	8	247	300	0.4	5	2019	4.5	0
Task 5c Rubber Tired Loaders	1	8	203	300	0.36	5	2019	3.9	56
Task 5d Concrete/Industrial Saws	0	8	81	100	0.73	2	2019	4.7	0
Task 5d Excavators	2	8	158	175	0.38	2	2019	2.9	35
Task 5d Rubber Tired Dozers	0	8	247	300	0.4	2	2019	4.5	0
Task 5d Rubber Tired Loaders	1	8	203	300	0.36	2	2019	3.9	22
Task 5e Concrete/Industrial Saws	0	8	81	100	0.73	20	2019	4.7	0
Task 5e Excavators	2	8	158	175	0.38	20	2019	2.9	351
Task 5e Rubber Tired Dozers	0	8	247	300	0.4	20	2019	4.5	0
Task 5e Rubber Tired Loaders	1	8	203	300	0.36	20	2019	3.9	224
Task 5f Rubber Tired Dozers	0	8	247	300	0.4	5	2019	4.5	0
Task 5f Rubber Tired Loaders	2	8	203	300	0.36	5	2019	3.9	112
Task 5f Tractors/Loaders/Backhoes	0	8	97	100	0.37	5	2019	1.6	0
Task 5g Excavators	1	8	158	175	0.38	4	2019	2.9	35
Task 5g Graders	0	8	187	175	0.41	4	2019	3.1	0
Task 5g Rubber Tired Dozers	0	8	247	300	0.4	4	2019	4.5	0
Task 5g Scrapers	0	8	367	300	0.48	4	2019	5.6	0
Task 5g Tractors/Loaders/Backhoes	0	8	97	100	0.37	4	2019	1.6	0
Task 6 Other General Industrial Equipment	3	8	6	100	0.34	68	2019	1.4	771
Task 6 Rubber Tired Dozers	0	0	88	300	0.34	68	2019	4.5	0
Task 6 Tractors/Loaders/Backhoes	0	8	97	100	0.37	68	2019	1.6	0
Task 7 Rubber Tired Dozers	0	8	247	300	0.4	3	2019	4.5	0
Task 7 Tractors/Loaders/Backhoes	0	8	97	100	0.37	3	2019	1.6	0
Task 8 Rubber Tired Dozers	0	8	247	300	0.4	1	2019	4.5	0
Task 8 Tractors/Loaders/Backhoes	0	8	97	100	0.37	1	2019	1.6	0
Task 9 Rubber Tired Dozers	0	8	247	300	0.4	68	2019	4.5	0
Task 9 Tractors/Loaders/Backhoes	0	8	97	100	0.37	68	2019	1.6	0
Task 10 Excavators	1	8	158	175	0.38	4	2019	2.9	35
Task 10 Other General Industrial Equipment	4	8	88	100	0.34	4	2019	1.4	61
Task 10 Other Material Handling Equipment	1	8	168	175	0.4	4	2019	2.8	36
Task 10 Rubber Tired Dozers	1	8	247	300	0.4	4	2019	4.5	57
Task 10 Rubber Tired Loaders	1	8	203	300	0.36	4	2019	3.9	45
Task 10 Tractors/Loaders/Backhoes	0	8	97	100	0.37	4	2019	1.6	0

Reach 115	Excavators	1	8	158	175	0.38	15	2019	2.9	132
Reach 115	Other General Industrial Equipme	7	8	6	100	0.34	15	2019	1.4	397
Reach 115	Rubber Tired Dozers	0	8	247	300	0.4	15	2019	4.5	0
Reach 115	Tractors/Loaders/Backhoes	1	8	97	100	0.37	15	2019	1.6	71
Reach 101	Excavators	2	8	158	175	0.38	5	2019	2.9	88
Reach 101	Other General Industrial Equipme	8	8	6	100	0.34	5	2019	1.4	151
Reach 101	Rubber Tired Dozers	0	8	247	300	0.4	5	2019	4.5	0
Reach 101	Tractors/Loaders/Backhoes	0	8	97	100	0.37	5	2019	1.6	0
Site Preparation	Rubber Tired Dozers	0	8	247	300	0.4	3	2019	4.5	0
Site Preparation	Tractors/Loaders/Backhoes	0	8	97	100	0.37	3	2019	1.6	0
Reach 113	Excavators	2	8	158	175	0.38	60	2019	2.9	1,052
Reach 113	Other General Industrial Equipme	28	6	88	100	0.34	60	2019	1.4	4,765
Reach 113	Other Material Handling Equipme	1	8	168	175	0.4	60	2019	2.8	538
Reach 113	Rubber Tired Dozers	0	8	247	300	0.4	60	2019	4.5	0
Reach 113	Tractors/Loaders/Backhoes	2	8	97	100	0.37	60	2019	1.6	564
Reach 102	Excavators	1	8	158	175	0.38	2	2019	2.9	18
Reach 102	Other General Industrial Equipme	8	8	6	100	0.34	2	2019	1.4	61
Reach 102	Rubber Tired Dozers	0	8	247	300	0.4	2	2019	4.5	0
Reach 102	Tractors/Loaders/Backhoes	1	8	97	100	0.37	2	2019	1.6	9
Reach 103	Excavators	2	8	158	175	0.38	15	2019	2.9	263
Reach 103	Other General Industrial Equipme	12	8	6	100	0.34	15	2019	1.4	681
Reach 103	Other Material Handling Equipme	1	8	168	175	0.4	15	2019	2.8	134
Reach 103	Rubber Tired Dozers	1	8	247	300	0.4	15	2019	4.5	214
Reach 103	Tractors/Loaders/Backhoes	2	8	97	100	0.37	15	2019	1.6	141
Reach 104	Concrete/Industrial Saws	0		81	100	0.73	4	2019	4.7	0
Reach 104	Excavators	0		158	175	0.38	4	2019	2.9	0
Reach 104	Other General Industrial Equipme	9	8	6	100	0.34	4	2019	1.4	136
Reach 104	Other Material Handling Equipme	1	8	168	175	0.4	4	2019	2.8	36
Reach 104	Rubber Tired Dozers	1	8	247	300	0.4	4	2019	4.5	57
Reach 104	Rubber Tired Dozers	0	8	247	300	0.4	4	2019	4.5	0
Reach 104	Rubber Tired Dozers	0	8	247	300	0.4	4	2019	4.5	0
Reach 104	Tractors/Loaders/Backhoes	1	8	97	100	0.37	4	2019	1.6	19
Reach 104	Tractors/Loaders/Backhoes	0	8	97	100	0.37	4	2019	1.6	0
Reach 105	Other General Industrial Equipme	8	8	6	100	0.34	1	2019	1.4	30
Reach 105	Rubber Tired Dozers	0	8	247	300	0.4	1	2019	4.5	0
Reach 105	Tractors/Loaders/Backhoes	1	8	97	100	0.37	1	2019	1.6	5
Reach 108	Excavators	2	8	158	175	0.38	5	2019	2.9	88
Reach 108	Other General Industrial Equipme	4	8	6	100	0.34	5	2019	1.4	76
Reach 108	Rubber Tired Dozers	0	8	247	300	0.4	5	2019	4.5	0
Reach 108	Rubber Tired Dozers	0	8	247	300	0.4	5	2019	4.5	0
Reach 108	Tractors/Loaders/Backhoes	1	8	97	100	0.37	5	2019	1.6	24
Reach 108	Tractors/Loaders/Backhoes	0	8	97	100	0.37	5	2019	1.6	0
Reach 109	Other General Industrial Equipme	7	8	6	100	0.34	3	2019	1.4	79
Reach 109	Other Material Handling Equipme	2	8	168	175	0.4	3	2019	2.8	54
Reach 109	Rubber Tired Dozers	0	8	247	300	0.4	3	2019	4.5	0
Reach 109	Tractors/Loaders/Backhoes	1	8	97	100	0.37	3	2019	1.6	14
Reach 110	Excavators	2	8	158	175	0.38	15	2019	2.9	263
Reach 110	Other General Industrial Equipme	8	8	6	100	0.34	15	2019	1.4	454
Reach 110	Other Material Handling Equipme	1	8	168	175	0.4	15	2019	2.8	134
Reach 110	Rubber Tired Dozers	0	8	247	300	0.4	15	2019	4.5	0
Reach 110	Tractors/Loaders/Backhoes	1	8	97	100	0.37	15	2019	1.6	71
Reach 112	Other General Industrial Equipme	6	8	6	100	0.34	15	2019	1.4	340
Reach 112	Rubber Tired Dozers	0	8	247	300	0.4	15	2019	4.5	0
Reach 112	Tractors/Loaders/Backhoes	1	8	97	100	0.37	15	2019	1.6	71
Reach 114	Excavators	2	8	158	175	0.38	40	2019	2.9	702
Reach 114	Other General Industrial Equipme	22	8	6	100	0.34	40	2019	1.4	3,328
Reach 114	Other Material Handling Equipme	6	8	168	175	0.4	40	2019	2.8	2,151
Reach 114	Rubber Tired Dozers	2	8	247	300	0.4	40	2019	4.5	1,141

Reach 114	Tractors/Loaders/Backhoes	1	8	97	100	0.37	40	2019	1.6	188
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<b>Total</b>	<b>21,405</b>
Task 4a Site Preparation	196
Task 4b	351
Task 5a	100
Task 5b	92
Task 5c	144
Task 5d	58
Task 5e	575
Task 5f	112
Task 5g	35
Task 6	771
Task 7	-
Task 8	-
Task 9	-
Task 10	233
Reach 115	599
Reach 101	239
Site Preparation	-
Reach 113	6,919
Reach 102	87
Reach 103	1,433
Reach 104	248
Reach 105	35
Reach 108	187
Reach 109	147
Reach 110	922
Reach 112	411
Reach 114	7,509
<b>Total</b>	<b>21,405</b>

**OnRoad Fuel Consumption Summary**

Input Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Gasoline Consumption			Diesel Consumption		
							Worker	Vendor	Haul	Worker	Vendor	Haul
Task 4a Site Preparation	8	0	1	19.8	7.9	60						
Task 4b	6	0	1	19.8	7.9	60						
Task 5a	7	0	50	19.8	7.9	60						
Task 5b	7	0	0	19.8	7.9	60						
Task 5c	7	0	4	19.8	7.9	60						
Task 5d	9	0	2	19.8	7.9	60						
Task 5e	7	0	4	19.8	7.9	60						
Task 5f	7	0	0	19.8	7.9	60						
Task 5g	7	0	0	19.8	7.9	60						
Task 6	3	0	2	19.8	7.9	60						
Task 7	3	0	0	19.8	7.9	60						
Task 8	2	2	0	19.8	7.9	60						
Task 9	3	2	0	19.8	7.9	60						
Task 10	2	0	0	19.8	7.9	60						
Reach 115	20	0	0	14.7	6.9	20						
Reach 101	20	0	180	14.7	6.9	20						
Site Preparation	0	0	0	14.7	6.9	20						
Reach 113	40	0	80	14.7	6.9	20						
Reach 102	12	0	150	14.7	6.9	20						
Reach 103	20	0	306	14.7	6.9	20						
Reach 104	12	0	150	14.7	6.9	20						
Reach 104	0	0	0	14.7	6.9	20						
Reach 105	23	0	20	14.7	6.9	20						
Reach 108	12	0	140	14.7	6.9	20						
Reach 108	0	0	0	14.7	6.9	20						
Reach 109	12	0	50	14.7	6.9	20						
Reach 110	16	0	1200	14.7	6.9	20						
Reach 112	30	0	0	14.7	6.9	20						
Reach 114	36	0	120	14.7	6.9	20						
<b>Adjusted</b>												
Task 4a Site Preparation	32	0	1	19.8	7.9	60	31	0	0	0	0	10
Task 4b	48	0	1	19.8	7.9	60	47	0	0	0	0	10
Task 5a	35	0	50	19.8	7.9	60	34	0	6	0	0	520
Task 5b	28	0	0	19.8	7.9	60	28	0	0	0	0	0
Task 5c	35	0	4	19.8	7.9	60	34	0	0	0	0	42
Task 5d	18	0	2	19.8	7.9	60	18	0	0	0	0	21
Task 5e	140	0	4	19.8	7.9	60	138	0	0	0	0	42
Task 5f	35	0	0	19.8	7.9	60	34	0	0	0	0	0
Task 5g	28	0	0	19.8	7.9	60	28	0	0	0	0	0
Task 6	204	0	2	19.8	7.9	60	201	0	0	0	0	21
Task 7	9	0	0	19.8	7.9	60	9	0	0	0	0	0
Task 8	2	2	0	19.8	7.9	60	2	1	0	0	0	0
Task 9	204	136	0	19.8	7.9	60	201	71	0	0	1	0
Task 10	8	0	0	19.8	7.9	60	8	0	0	0	0	0
Reach 115	300	0	0	14.7	6.9	20	219	0	0	0	0	0
Reach 101	100	0	180	14.7	6.9	20	73	0	7	0	0	624
Site Preparation	0	0	0	14.7	6.9	20	0	0	0	0	0	0
Reach 113	2400	0	80	14.7	6.9	20	1,752	0	3	2	0	277
Reach 102	24	0	150	14.7	6.9	20	18	0	6	0	0	520
Reach 103	300	0	306	14.7	6.9	20	219	0	12	0	0	1,061
Reach 104	48	0	150	14.7	6.9	20	35	0	6	0	0	520
Reach 104	0	0	0	14.7	6.9	20	0	0	0	0	0	0
Reach 105	23	0	20	14.7	6.9	20	17	0	1	0	0	69
Reach 108	60	0	140	14.7	6.9	20	44	0	5	0	0	486
Reach 108	0	0	0	14.7	6.9	20	0	0	0	0	0	0
Reach 109	36	0	50	14.7	6.9	20	26	0	2	0	0	173
Reach 110	240	0	1200	14.7	6.9	20	175	0	47	0	0	4,162
Reach 112	450	0	0	14.7	6.9	20	329	0	0	0	0	0
Reach 114	1440	0	120	14.7	6.9	20	1,051	0	5	1	0	416
<b>Total</b>							<b>4,770</b>	<b>72</b>	<b>101</b>	<b>5</b>	<b>1</b>	<b>8,976</b>