

ATTACHMENT 5.6-A: CONSTRUCTION FUEL CONSUMPTION

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Hours Per Day	Working Days	Load Factor	On Distance	VMT	On Efficiency	On Fuel Use	Off BSFC	Off Use	Helo Efficiency	Helo Use	Fuel Category
225	P-06	Structure Installation	Worker Commute	NA	Gasoline	15	NA	21		60	1800	27.3	1384.7					Worker Vehicles
226	P-07	Conductor Installation	Worker Commute	NA	Gasoline	30	NA	20		60	3600	27.3	2637.5					Worker Vehicles
227	L-08	Access Road Construction	Worker Commute	NA	Gasoline	12	NA	16		60	1440	27.3	844.0					Worker Vehicles
228	L-09	Foundation Installation	Worker Commute	NA	Gasoline	12	NA	22		60	1440	27.3	1160.5					Worker Vehicles
229	L-10	Structure Installation	Worker Commute	NA	Gasoline	12	NA	24		60	1440	27.3	1266.0					Worker Vehicles
230	L-11	Conductor Installation	Worker Commute	NA	Gasoline	30	NA	26		60	3600	27.3	3428.7					Worker Vehicles
231	L-12	Transition Structure Foundation Installation	Worker Commute	NA	Gasoline	20	NA	150		60	2400	27.3	13187.4					Worker Vehicles
232	L-13	Transition Structure Installation	Worker Commute	NA	Gasoline	20	NA	25		60	2400	27.3	2197.9					Worker Vehicles
233	L-14	Submarine Cable Installation	Worker Commute	NA	Gasoline	25	NA	147		60	3000	27.3	16154.5					Worker Vehicles
234	L-15	Southern Transition Approach Construction	Worker Commute	NA	Gasoline	25	NA	138		60	3000	27.3	15165.5					Worker Vehicles
235	L-16	Substation Getaways	Worker Commute	NA	Gasoline	20	NA	70		60	2400	27.3	6154.1					Worker Vehicles
236	P-17	Distribution Extension to Substation	Worker Commute	NA	Gasoline	10	NA	51		60	1200	27.3	2241.9					Worker Vehicles
237	L-18	Fiber Extension to Substation	Worker Commute	NA	Gasoline	12	NA	103		60	1440	27.3	5433.2					Worker Vehicles
238	P-19	Vaca Dixon, Tesla, and Pittsburg Substation Upgrades	Worker Commute	NA	Gasoline	15	NA	102		60	1800	27.3	6725.6					Worker Vehicles
239	L-20	Commissioning and Testing	Worker Commute	NA	Gasoline	24	NA	174		60	2880	27.3	18356.8					Worker Vehicles
240	L-21	Cleanup and Restoration	Worker Commute	NA	Gasoline	12	NA	140		60	1440	27.3	7384.9					Worker Vehicles

See Table 2, 3, 14, 15, 33, and 34 from Attachment 5.3-A: Air Quality Calculations for fuel efficiency calculations, construction schedule, and equipment list

Table 2: Fuel Consumption Summary

Vehicle Type	Gasoline	Diesel	Jet A
Worker Vehicles	181,467	-	-
Construction Vehicles	13,621	104,469	-
Construction Equipment	-	567,869	-
Helicopter and Support	-	-	16,428
Total	195,088	672,338	16,428