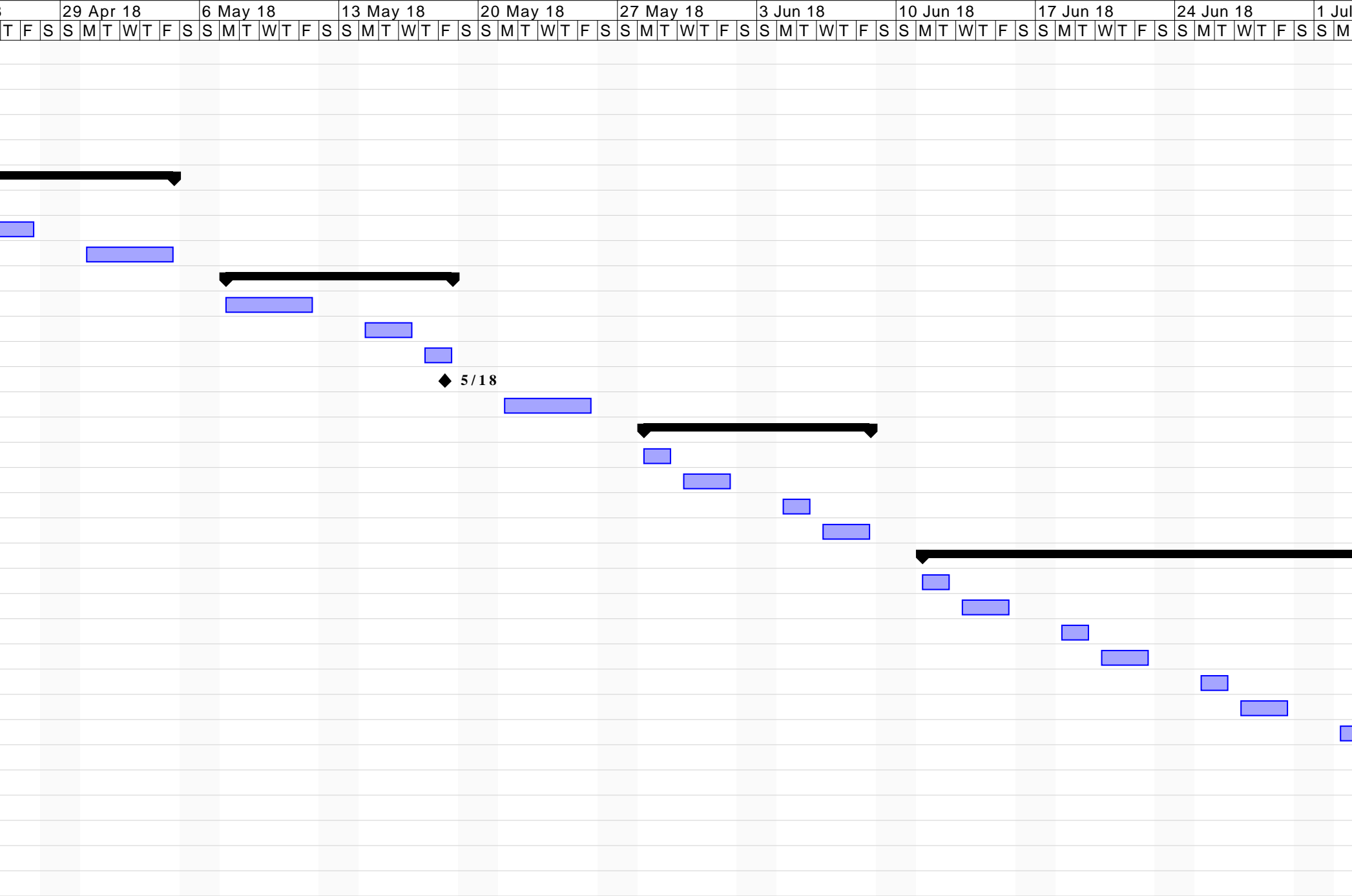
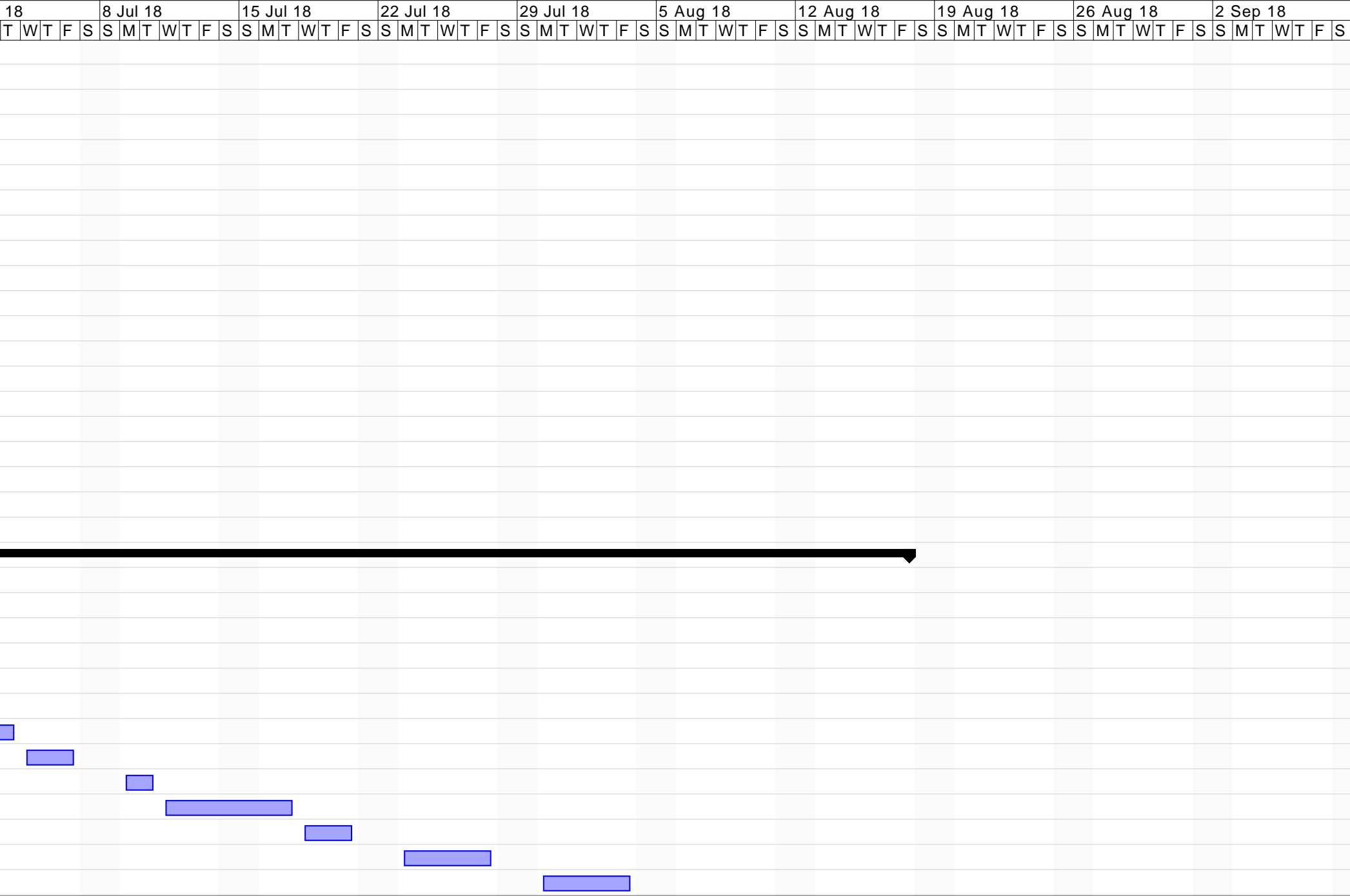







		Name	Duration
1		<b>Create Electrical Network</b>	<b>10 days</b>
2		Acquire road network & make into surrogate electrical network	2 days
3		Convert electrical network into UtilityNetwork ADE In FME	6 days
4		Test to make sure that topology is correct	1 day
5		Test to make sure Turbine elements exist in both networks	1 day
6		<b>Make Topological Representation of Networks</b>	<b>15 days</b>
7		Modify source data manually to resemble 2D functional diagram	2 days
8		Modify FME workbenches to use alternate realization geometry for topology	8 days
9		Buffer time	5 days
10		<b>Import Both Networks Entirely into 3DCityDB</b>	<b>10 days</b>
11		Modify Python script to read new elements	5 days
12		Test to make sure Turbines are routable in both networks	3 days
13		Documentation of Python script, upload to github	2 days
14		Milestone 1	0 days
15		Write about progress so far in final report	5 days
16		<b>Model Functional Characteristics of Network Operation</b>	<b>10 days</b>
17		Create Python class with config file, make github repository	2 days
18		Function for getting/setting property values for network elements (+documentation)	3 days
19		Function for getting/setting property values for network elements (+documentation)	2 days
20		Function for getting/setting property values for network elements (+documentation)	3 days
21		<b>Model Network Interdependencies</b>	<b>50 days</b>
22		Function for setting all houses' water & electrical demand at current time from file	2 days
23		Function for opening valves based on input flow	3 days
24		Function for incrementing the reservoir based on flow rate	2 days
25		Function for calculating power output of all turbines	3 days
26		Function for determining connectivity of houses to reservoir	2 days
27		Function for subtracting water demand from reservoir	3 days
28		Function for logging water demand in consumer water loss table (in event on non-connectivity with reservoir)	2 days
29		Function for checking reservoir level & resetting to max or logging in water deficit table	3 days
30		Function for determining connectivity of houses to generators	2 days
31		Function for calculating electrical resistivity matrix and logging network surplus or deficit in electrical status table	5 days
32		Function for logging electrical demand in consumer electrical loss table (in event of non-connectivity with generators)	3 days
33		Function for setting elements as "outOfService" at a certain time and putting them back as "inUse" at another time	5 days
34		Make GUI for allowing easy user input and specifying breakage/fixage dates	5 days

Start	Finish	Predecessors	Resource Names	1 Apr 18							8 Apr 18							15 Apr 18							22 Apr 18						
				F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	
4/2/18 8:00 AM	4/13/18 5:00 PM																														
4/2/18 8:00 AM	4/3/18 5:00 PM																														
4/4/18 8:00 AM	4/11/18 5:00 PM																														
4/12/18 8:00 AM	4/12/18 5:00 PM																														
4/13/18 8:00 AM	4/13/18 5:00 PM																														
4/16/18 8:00 AM	5/4/18 5:00 PM																														
4/16/18 8:00 AM	4/17/18 5:00 PM																														
4/18/18 8:00 AM	4/27/18 5:00 PM																														
4/30/18 8:00 AM	5/4/18 5:00 PM																														
5/7/18 8:00 AM	5/18/18 5:00 PM																														
5/7/18 8:00 AM	5/11/18 5:00 PM																														
5/14/18 8:00 AM	5/16/18 5:00 PM																														
5/17/18 8:00 AM	5/18/18 5:00 PM																														
5/18/18 8:00 AM	5/18/18 8:00 AM																														
5/21/18 8:00 AM	5/25/18 5:00 PM																														
5/28/18 8:00 AM	6/8/18 5:00 PM																														
5/28/18 8:00 AM	5/29/18 5:00 PM																														
5/30/18 8:00 AM	6/1/18 5:00 PM																														
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7/30/18 8:00 AM	8/3/18 5:00 PM																														







		Name	Duration
35		Buffer time	10 days
36		Milestone 2	0 days
37		List of Detailed Recommendations for Further ADE Development	5 days
38		Write rest of final thesis report	25 days



			29 Apr 18				6 May 18				13 May 18				20 May 18				27 May 18				3 Jun 18				10 Jun 18				17 Jun 18				24 Jun 18				1 Jul							
T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M



18					8 Jul 18					15 Jul 18					22 Jul 18					29 Jul 18					5 Aug 18					12 Aug 18					19 Aug 18					26 Aug 18					2 Sep 18				
T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			

◆ 8/20

