## **Connecticut Siting Council Mapping Homework Assignment**

Lown	Mao Number	Gross Section	Structures within 300' of outermost	Structures at 3mG or Greater	Structures: at 3mG or Greater	Low Magnetic Field Mitigation Description
			conductor	@ 277.7GW	@ 15GW	
Middletown	1	1	3	3	2	345kV Delta design - typical structure height would be 85' - no 115kV in this cross section (Option 1)
Haddam	1	2	7	6	6	As proposed (composite 345kV/115kV design) - typical height of 105'
Total			10	9	8	As proposed (composite 345kV/115kV design) - typical height of 105'
Durham	2	2	34	15	11	Note: Royal Oak bypass includes split phase 345kV on new ROW with a typical height of 150' and Split Phase 115kV on existing ROW with a typical height of 90'
Middletown	2	2	16	2	1	As proposed (composite 345kV/115kV design) - typical height of 105'
Middlefield	2	2	9	6	5	As proposed (composite 345kV/115kV design) - typical height of 105
Total			59.	23	17	
Meriden	3 `	3	44	7	18	As proposed (vertical 345kV design) plus 10' in height -typical height of 140' - no 115kV in this cross section (Option 2)
Meriden	3	4	10	1	1	As proposed (composite 345kV/115kV design) plus 10' - typical height of 140' (Option 1)
Total	4		54	8	19-	)
Durham	4	2	.11	11	10	As proposed (composite 345kV/115kV design) - typical height of 105'
Wallingford	4	2	14	10	10	As proposed (composite 345kV/115kV design) - typical height of 105'
Wallingford	4	4	0	0	0	As proposed (composite 345kV/115kV design) plus 10' - typical height of 140' (Option 1)
Wallingford	4	5	31	9	. 4	Vertical 345kV design - typical height of 130 '- no 115kV in this cross section (Option 6)
Total			56	30	24	occion (epiton e)
Wallingford	5	5	32	7	5	Vertical 345kV design - typical height of 130 '- no 115kV in this cross section (Option 6)
Wallingford	5	6E	49	12	0	Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 80' (Option 4)
Total			81	19	5	
Wallingford	6	6E	8	3	0	Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 80' (Option 4)
Wallingford	6	6W	2	2	0	As proposed (composite 345kV/115kV design) - typical height of 105
Wallingford	6	7	25	6	0	Split Phase 345kV - typical height of 130' - existing 115kV remains as is (Option 4)
Hamden	6	7	2	0	0	Split Phase 345kV - typical height of 130' - existing 115kV remains as is (Option 4)
Cheshire	6	7B	9	1	0	Split phase 345kV offset to North side of ROW - typical height of 130' looth 115kV lines underground (Option 2)
Cheshire	6	8A	11	3	0	Split phase 345kV split plus 30' in height – typical height of 135' for 345kV / One 115kV Overhead – with typical height of 110' & one 115kV Underground (Option 4)
Total			57	15	0	113kV Orderground (Option 4)
Bethany	7	8N	9	2	0	Split-Phase 345kV plus 30' in height - typical height of 135' for 345kV & 110' for 115kV (Option 5)
Hamden	7	8A	. 1	0	0	Split phase 345kV split plus 30' in height – typical height of 135' for 345kV / one 115kV OH – with typical height of 110' & one 115kV UG
Hamden	7	8N	22	4	0	(Option 4) Split-Phase 345kV plus 30' in height - typical height of 135' for 345kV
Total			32	6	0	& 110' for 115kV (Option 5)
Woodbridge	9	8M	18	3	1	includes relocated ROW at JCC and Ezra Academy, split phase 345kV plus 30' in height - typical height of 135' for 345kV and 110 ' for 115kV (Option 5)
Total			18	3	1	
Woodbridge	10	8S	38	2	0	Split phase 345kV plus 30' in height - typical height of 135' for 345kV & 110' for 115kV (Option 5)
Total			38	2	0	
Orange	11	88	157	34	3	Split phase 345kV plus 30' in height - typical height of 135' for 345kV & 110' for 115kV (Option 5)
West Haven	11	8S	0	0	0	Split phase 345kV plus 30' in height - typical height of 135' for 345kV & 110' for 115kV (Option 5)
Total Milford	12	8S	<b>157</b> 88	<b>34</b> 19	<b>3</b>	Split phase 345kV plus 30' in height - typical height of 135' for 345kV
Orange	12	88	65	16	1	& 110' for 115kV (Option 5)
Total Milford	13	8S	<b>153</b> 26	<b>35</b> 5	<b>1</b> 0	Split phase 345kV plus 30' in height - typical height of 135' for 345kV
Total	13	85	26 <b>26</b>	5 5	0	& 110' for 115kV (Option 5)
	West 10 72070 10 10 10 1		741	Water to the second sec	78	

## **Connecticut Siting Council Mapping Homework Assignment**

Berthary   7   8N   9   2   0   Schill-hame 345W place 30 in height - Typical height of 138 for 345M				Strueilies			
Spitishmane 9458/V plus 30 in height - typical height of 135 for 3458/   10		Maje		within SOUP of			Jour Leonaire Bully Militerijos alementijose
Derham   7	E CALLE	Ruman	Cites Section				Example as typed in light care provided in
Cheshring   7		_			2		Split-Phase 345kV plus 30' in height - typical height of 135' for 345kV
Cheshite   6							& 110' for 115kV (Option 5)
Cheshire 6 P/A 9 1 U Sohn 118V/ Unes underground (Option 2) Cheshire 6 BA 11 3 0 Spit phase 3484 v 19th tas 30 in height - typical height of 135 for 3458 v 19th 118V/ Overhead - with pytical height of 155 for 3458 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with a pytical height of 156 one 1546 v 19th 118V/ Overhead - with a pytical height of 156 one 1546 v 19th 118V/ Overhead - with a pytical height of 156 one 1546 v 19th 118V/ Overhead - with a pytical height of 156 one 1546 v 19th 118V/ Overhead - with a pytical height of 156 one 1546 v 19th 118V/ Overhead - with a pytical height of 156 one 1546 v 19th 118V/ Overhead - with a pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overhead - with pytical height of 156 one 1546 v 19th 118V/ Overh		PROPERTY ASSESSMENT					
Cheatine 6 8 8A 11 3 0 3/45kV / One 115kV Outerpand — with typical height of 110' & one 1/46kV / One 1/45kV Outerpand (Option 4)	Cheshire	6	7B	9	1	0	both 115kV lines underground (Option 2)
	Cheshire	6	84	11	3	0	
Durham   2   2   34   15   11   11   10   As proposed (composite 345KV 115KV design) - typical height of 100 with a bytical height of 130 with a Sylical Proses 345KV on the RYOW with a bytical height of 150 and Split Phases 115kV on existing RYOW with a bytical height of 150 and Split Phases 115kV on existing RYOW with a bytical height of 150 and Split Phases 115kV on existing RYOW with a bytical height of 150 and Split Phases 115kV on existing RYOW with a bytical height of 150 and Split Phases 345kV high split of 150 and Split Phases 345kV height of 150 and Split Phases 345kV high split of 150 and Split Phases 345kV high split of 150 and Split Phases 345kV high split of 150 and Split of 150 and Split Phases 345kV high split of 150 and Split Phases 345kV high split of 150 and Split of 150 and Split Phases 345kV high split of 150 and Split of 150 and Split Phases 345kV high split of 150 and Split of 150 and Split of 150 and Split Phases 345kV high split of 150 and Split of 15							,, ,,
Durham	Total			20	4:	0	As proposed (composite 345kV/115kV design) - typical height of 105'
Durham	Durham	2	2	34	15	11	Note: Royal Oak bypass includes split phase 345kV on new ROW
Durham	Dumam	_		0,	.0		, ,, ,
Hadden	Durham	4	2		11	10	
Haddam							
Hamden   6		*************		***************************************			
Hamden							
Hamden							Split Phase 345kV -typical height of 130' - existing 115kV remains as
Hamden 7 8N 22 4 0 345KV / One 115KV OH - with typical height of 110° & one 115KV UC / Option 4) Hamden 7 8N 22 4 0 8, Split-Phase 345KV plus 30° in height - typical height of 135° for 345KV and the split - Split phase 345KV plus 30° in height - typical height of 136° for 345KV / Option 5)  Meriden 3 3 4 10 1 1 As proposed (composite 345KV/115KV design) plus 10° - typical height of 140° - not 115KV in this cross section (Option 2).  Meriden 3 4 10 1 1 As proposed (composite 345KV/115KV design) plus 10° - typical height of 140° (Option 1)  Total 5 8 8 19  Middlefield 2 2 2 9 6 6 5 As proposed (composite 345KV/115KV design) - typical height of 100° (Option 1)  Total 3 3 2 345KV Delta design - typical structure height would be 85° - no 115K in this cross section (Option 1)  Total 1 3 3 2 345KV Delta design - typical structure height would be 85° - no 115K in this cross section (Option 1)  Total 1 3 3 2 345KV Delta design - typical structure height would be 85° - no 115K in this cross section (Option 1)  Total 1 3 85 88 19 0 Split phase 345KV plus 30° in height - typical height of 100° (Option 1)  Total 1 3 85 26 5 0 10° for 115KV (Option 5)  Total 3 114 24 0 Split phase 345KV plus 30° in height - typical height of 135° for 345KV and 135° for 345KV an	namoen	•		Ζ.	0	-	
Hamden	Hamden	7	8A	1	0	0	345kV / one 115kV OH – with typical height of 110' & one 115kV UG
Total			**				
Meriden   3	Hamden	7	8N	22	4	0	
Meriden         3         3         44         7         18         of 140"- no 115kV in this cross section (Option 2)           Meriden         3         4         10         1         1         64 Appropose (composite 345kV/115kV design) plus 10" - typical heigh of 140" (Option 1)           Total         54         8         19         As proposed (composite 345kV/115kV design) - typical height of 10!           Total         9         8         5         As proposed (composite 345kV/115kV design) - typical height of 10!           Middleflown         1         1         3         3         2         345kV Deta design - typical structure height would be 85" - no 115k in this cross section (Option 1)           Middleflown         2         2         16         2         1         As proposed (composite 345kV/115kV design) - typical height of 10!           Total         19         5         3         3         345kV Deta design - typical height of 135" for 345kV Millord         345kV Deta 345kV J15kV design) - typical height of 10!           Total         19         5         3         3         345kV Deta 35 in this cross section (Option 1)         345kV Deta 35 in this cross section (Option 1)         345kV Deta 35 in this cross section (Option 1)         345kV Deta 35 in this cross section (Option 1)         345kV Deta 35 in this cross section (Option 1)         345kV Deta 35 in this c	Total		7	25	A	0	As a respected (vertical 245/d design) plus 40 in height, typical height
Total	Meriden	3	3	44	7	18	
Middelefield   2   2   9   6   5   As proposed (composite 345kV/115kV design) - typical height of 10t	Meriden	3	4	10	1	1	As proposed (composite 345kV/115kV design) plus 10' - typical height
Profest   Prof	Total			54	8	19	of 140 (Option 1)
Middletown         1         1         3         3         2         345kV Delta design - typical structure height would be 85' - no 115k in this cross section (Option 1)           Middletown         2         2         16         2         1         As proposed (composite 345kV/115kV design) - typical height of 108 in this cross section (Option 1)           Total         19         5         3           Milford         12         85         88         19         0         Split phase 345kV plus 30' in height - typical height of 135' for 345kV Millor of 138' for 345kV Millor	Middlefield	2	. 2	9	6	5	As proposed (composite 345kV/115kV design) - typical height of 105'
Middletown   1	Total	÷		9	6 -	5	
Milddetown         2         2         16         2         1         As proposed (composite 345kV/115kV design) - typical height of 100 for 345kV millord         12         8S         88         19         0         Split phase 345kV plus 30' in height - typical height of 135' for 345kV millord         13         8S         26         5         0         110' for 115kV (Option 5)         110' for 115kV (Option 6)         110' for 115kV (Option 6) <t< td=""><td>Middletown</td><td>1</td><td>1</td><td>3</td><td>3</td><td>2</td><td></td></t<>	Middletown	1	1	3	3	2	
Total   19	Middletown		2	16	2	1	<b>, , , , , , , , , , , , , , , , , , , </b>
Milford   12   8S   88   19   0   Split phase 345kV plus 30' in height - typical height of 135' for 345kV							has proposed (composite 640KV/110KV design) Typical height of 160
Proteing		****************	8S	88	19	0	Split phase 345kV plus 30' in height - typical height of 135' for 345kV &
Orange         11         8S         157         34         3         Split phase 345kV plus 30' in height - typical height of 135' for 345kV           Orange         12         8S         65         16         1         110' for 115kV (Option 5)           Total         222         50         4           Wallingford         4         2         14         10         10         As proposed (composite 345kW/115kV design) - typical height of 100' - typical height of 140' (Option 1)           Wallingford         4         4         0         0         0         As proposed (composite 345kW/115kV design) plus 10' - typical height of 140' (Option 1)           Wallingford         4         5         31         9         4         Vertical 345kV design - typical height of 130' - no 115kV in this cross section (Option 6)           Wallingford         5         5         32         7         5         section (Option 6)           Wallingford         6         7         25         6         0         Split Phase 345kV - typical height of 130' - existing 115kV remains a section (Option 4)           Wallingford         5         6E         49         12         0         Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 60' (Option 4)           Wallingford         6		13					
Wallingford   4   2   14   10   10   10   As proposed (composite 345kV/115kV design) - typical height of 10th Wallingford   4   4   0   0   0   0   0   As proposed (composite 345kV/115kV design) plus 10' - typical height of 140' (Option 1)   Wallingford   4   5   31   9   4   Vertical 345kV design - typical height of 130' - no 115kV in this cross wallingford   5   5   32   7   5   section (Option 6)   Wallingford   6   7   25   6   0   Split Phase 345kV - typical height of 130' - existing 115kV remains a is (Option 4)   Wallingford   5   6E   49   12   0   Split phase 345kV with typical height of 105' - vertical 115kV design   Wallingford   6   6E   8   3   0   with typical height of 80' (Option 4)   Wallingford   6   6W   2   2   0   As proposed (composite 345kV/115kV design) - typical height of 10sth of 10s		11	CONTRACTOR OF THE PROPERTY OF	A CONTRACTOR OF THE PROPERTY O	*********		Split phase 345kV plus 30' in height - typical height of 135' for 345kV &
Wallingford         4         2         14         10         10         As proposed (composite 345kV/115kV design) - typical height of 100 of 140' (Option 1)           Wallingford         4         4         0         0         0         As proposed (composite 345kV/115kV design) plus 10' - typical height of 130' - existing 115kV remains a is (Option 4)           Wallingford         6         7         25         6         0         Split phase 345kV - typical height of 130' - existing 115kV remains a is (Option 4)           Wallingford         5         6E         49         12         0         Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 80' (Option 4)           Wallingford         6         6E         8         3         0         with typical height of 80' (Option 4)           Wallingford         6         6E         8         3         0         with typical height of 80' (Option 4)           Wallingford         6         6W         2         2         0         As proposed (composite 345kV/115kV design) - typical height of 10           Total           West Haven         11         8S         0         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k			THE RESIDENCE OF THE PROPERTY				110' for 115kV (Option 5)
Wallingford         4         4         0         0         0         As proposed (composite 345kV/115kV design) plus 10' - typical heigh of 140' (Option 1)           Wallingford         4         5         31         9         4         Vertical 345kV design - typical height of 130 '- no 115kV in this cross section (Option 6)           Wallingford         5         5         32         7         5         section (Option 6)           Wallingford         6         7         25         6         0         Split Phase 345kV - typical height of 130' - existing 115kV remains a is (Option 4)           Wallingford         5         6E         49         12         0         Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 80' (Option 4)           Wallingford         6         6E         8         3         0         with typical height of 80' (Option 4)           Wallingford         6         6W         2         2         0         As proposed (composite 345kV/115kV design) - typical height of 10.           Total         161         49         18           West Haven         11         8S         0         0         0         Split phase 345kV plus 30' in height - typical height of 135' for 345kV and 110' for 115kV (Option 5)           Total							As proposed (composite 345kV//115kV design) - typical height of 105'
Wallingford         4         4         0         0         of 140' (Option 1)           Wallingford         4         5         31         9         4         Vertical 345kV esign - typical height of 130' - no 115kV in this cross section (Option 6)           Wallingford         5         5         32         7         5         section (Option 6)           Wallingford         6         7         25         6         0         Split Phase 345kV - typical height of 130' - existing 115kV remains a is (Option 4)           Wallingford         5         6E         49         12         0         Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 80' (Option 4)           Wallingford         6         6E         8         3         0         with typical height of 80' (Option 4)           Wallingford         6         6W         2         2         0         As proposed (composite 345kV/115kV design) - typical height of 100 typical height of 1	vvallingford	4		14	"		
Wallingford         5         32         7         5         section (Option 6)           Wallingford         6         7         25         6         0         Split Phase 345kV - typical height of 130' - existing 115kV remains a is (Option 4)           Wallingford         5         6E         49         12         0         Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 80' (Option 4)           Wallingford         6         6E         8         3         0         with typical height of 80' (Option 4)           Wallingford         6         6W         2         2         0         As proposed (composite 345kV/115kV design) - typical height of 10.           Total         161         49         19           West Haven         11         8S         0         0         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k' 110' for 115kV (Option 5)           Total         0         0         0         0         Includes relocated ROW at JCC and Ezra Academy, split phase 345kV plus 30' in height - typical height of 135' for 345kV and 110' for 115kV (Option 5)           Woodbridge         10         8S         38         2         0         Split phase 345kV plus 30' in height - typical height of 135' for 345kV plus 30' in height - typical height of 135' for 345kV plus 30' in height -	Wallingford	4	4	0	0	0	of 140' (Option 1)
Wallingford         6         7         25         6         0         Split Phase 345kV - typical height of 130' - existing 115kV remains a is (Option 4)           Wallingford         5         6E         49         12         0         Split phase 345kV with typical height of 105' - vertical 115kV design with typical height of 80' (Option 4)           Wallingford         6         6E         8         3         0         with typical height of 80' (Option 4)           Wallingford         6         6W         2         2         0         As proposed (composite 345kV/115kV design) - typical height of 10.           Total         161         49         19           West Haven         11         8S         0         0         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k' 110' for 115kV (Option 5)           Total         1         8S         3         1         Includes relocated ROW at JCC and Ezra Academy, split phase 345kV plus 30' in height - typical height of 135' for 345kV and 110' for 115kV (Option 5)           Woodbridge         10         8S         38         2         0         Split phase 345kV plus 30' in height - typical height of 135' for 345kV plus 30' in height - typical height of 135' for 345kV plus 30' in height - typical height of 135' for 345kV plus 30' in height - typical height of 135' for 345kV plus 30' in height - typical height of 135' for 345kV plus 30' in height							1
Subject   Subj			·			1	Split Phase 345kV - typical height of 130' - existing 115kV remains as
Wallingford         6         6E         8         3         0         with typical height of 80' (Option 4)           Wallingford         6         6W         2         2         0         As proposed (composite 345kV/115kV design) - typical height of 10st and 10st an		_					
Wallingford         6         6W         2         2         0         As proposed (composite 345kV/115kV design) - typical height of 10st proposed (composite 345kV/115kV design) - typical height of 10st proposed (composite 345kV/115kV design) - typical height of 10st proposed (composite 345kV/115kV design) - typical height of 10st proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/115kV design) - typical height of 13st for 345kV proposed (composite 345kV/proposed (composite 345kV/prop							J-kk
West Haven         11         8S         0         0         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k' 110' for 115kV (Option 5)           Total         0         0         Includes relocated ROW at JCC and Ezra Academy, split phase 345kV plus 30' in height - typical height of 135' for 345kV and 110' 115kV (Option 5)           Woodbridge         10         8S         38         2         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k' 110' for 115kV (Option 5)           Total         56         5         11		6	6W	2	2	0	As proposed (composite 345kV/115kV design) - typical height of 105'
West Haven         11         8S         0         0         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k' 110' for 115kV (Option 5)           Total         0         0         0         Includes relocated ROW at JCC and Ezra Academy, split phase 345kV plus 30' in height - typical height of 135' for 345kV and 110' 115kV (Option 5)           Woodbridge         10         8S         38         2         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k' 110' for 115kV (Option 5)           Total         56         5         11				161	49	19	
Total		11	8\$	<u> </u>		0	Split phase 345kV plus 30' in height - typical height of 135' for 345kV 8
Woodbridge         9         8M         18         3         1         Includes relocated ROW at JCC and Ezra Academy, split phase 345kV plus 30' in height - typical height of 135' for 345kV and 110' in 115kV (Option 5)           Woodbridge         10         8S         38         2         0         Split phase 345kV plus 30' in height - typical height of 135' for 345kV plu				0	0	0	110 for 115kV (Option 5)
115kV (Option 5)							Includes relocated ROW at JCC and Ezra Academy, split phase
Woodbridge         10         8S         38         2         0         Split phase 345kV plus 30' in height - typical height of 135' for 345k' 110' for 115kV (Option 5)           Total         56         5         1	Woodbridge	9	8M	18	3	1	345kV plus 30' in height - typical height of 135' for 345kV and 110 ' for 115kV (Ontion 5)
Woodbridge   10   8S   38   2   0   110' for 115kV (Option 5)     Total   56   5   1							Split phase 345kV plus 30' in height - typical height of 135' for 345kV 8
		STOREST PROPERTY P					
La Potal Caracian Car	Total Totals	11 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1	2000 2500 2500 2500		5 074: : 189: 53	781	100