

addline\_LORE-SPG-WMD\_345-kv[1].idv

TEXT \*\*\*\*\*  
 TEXT Author: Todd Tadych  
 TEXT Rev Date: June 20, 2008  
 TEXT Description: Modifies the After\_EHV\_Ref\_MISO-2018SumPk\_SCED\_v30.sav &  
 After\_EHV\_Ref\_MISO-2018OffPk\_SCED\_v30\_0611.sav  
 TEXT model to add:  
 TEXT 345 kv line from Lore to Spring Green  
 TEXT 345 kv line from Spring Green to West Middleton  
 TEXT 138 kv line from Spring Green to West Middleton  
 TEXT Conductor Used: 345 kv - ACSS 954.0 2 54/7  
 TEXT 138 kv - ACSR T2 447 1 26/7  
 TEXT 161 kv - ACSR T2 556 1 26/7  
 TEXT Conductor Note: Impedance for bundled ACSS 954.0 was  
 TEXT approximated by using the impedance calculator values  
 TEXT for ACSR 954 2 54/7. The bundled ACSS 954.0 conductor  
 TEXT was originally assumed by the CapX 2020 utilities  
 TEXT for their Group 1 Projects.  
 TEXT Structure Used: Double circuit steel pole from Lore to  
 TEXT west Middleton. 345/161 kv line from Lore to Cassville;  
 TEXT 345 kv line with other position vacant from Cassville to  
 TEXT Nelson Dewey; 345/138 kv line from Nelson Dewey to  
 TEXT Spring Green; 345/138 kv line from Spring Green to  
 TEXT west Middleton  
 TEXT  
 TEXT Rev 2: 11/18/08, Tom Dagenais  
 TEXT Added removal of branches from Mazomonee west 69 kv sub,  
 TEXT changed voltage of Mazomonee west to 138 kv, and inserted  
 TEXT 138 kv branches Arena-Mazomanie West-Mazomanie Industrial  
 TEXT so that IDEV matches configuration of current Powerflow models.  
 TEXT  
 TEXT Note: Structure used for Arena-Mazomanie West-MZI was assumed  
 TEXT to be ATC structure OH-35A-345 in order to match previous impedance  
 TEXT calculations for the Arena - MZI path.  
 TEXT  
 TEXT Rev 3: 11/25/08, Tom Dagenais  
 TEXT Updated 69 kv connections to Timberlane Tap to match those in  
 TEXT the IDEV <Alt3\_Addline-nlax-hlt-spg-wmd\_BusNumberUpdate\_Rev3.idv>  
 TEXT  
 TEXT \*\*\*\*\*

TEXT \*\*\*\*\*  
 TEXT  
 TEXT

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PURG,SI
1
698127,698128,1 /* Remove SPG 69-ARE 69
1
698128,693657,1 /* Remove ARE 69-MZOMN W 69
1
693657,699929,1 /* Remove MZOMN W 69-MZI 69
1
699929,698129,1 /* Remove MZI 69-MAZ 69
1
698129,698130,1 /* Remove MAZ 69-BLE 69
1
698130,698131,1 /* Remove BLE 69-STG 69
1
698131,693889,1 /* Remove STG 69-MTHRB_NE
1
698131,698133,1 /* Remove STG 69-TLT 69
1
698131,698686,1 /* Remove STG 69-CSP 69
1
0
0
```

CHNG

3  
631056,631060,1 /\* Reconductor  
Lore-Turkey River 161 kv (20 miles)

y  
,0.00639,0.06092,0.02728,445,557,557,,

n  
0  
631060,681519,1 /\* Reconductor  
Turkey River-Cassville 161 kv (3 miles)

y  
,0.00096,0.00914,0.00409,445,557,557,,

n  
0  
699020,699035,1 /\* Reconductor  
Nelson Dewey-Lancaster 138 kv (18 miles)

y  
,0.009140,0.075635,0.017804,348,481,552,,

n  
0  
699035,699034,1 /\* Reconductor  
Lancaster-Eden 138 kv (16 miles)

y  
,0.008124,0.067231,0.015826,348,481,552,,

n  
0  
699034,699115,1 /\* Reconductor  
Eden-Wyoming Valley 138 kv (19 miles)

y  
,0.009648,0.079836,0.018793,348,481,552,,

n  
0  
699115,699114,1 /\* Reconductor  
Wyoming Valley-Spring Green 138 kv (6 miles)

y  
,0.003047,0.025212,0.005935,348,481,552,,

n  
0  
-1  
RDCH

1  
693668, 'SPG 345', 345., 1, , , 694, 1684, , -40.0, 693 /\* Spring Green 345  
kv Bus !!!!!!!!!!!!!!!!!NEW BUS!!!!!!!!!!!!!!!!!!!!

698128, 'ARE 138', 138., 1, , , , , /\* Change kv on ARE  
Bus

693657, 'MAZOMN W', 138., 1, , , , , /\* Change kv on MZW  
Bus

699929, 'MZI 138', 138., 1, , , , , /\* Change kv on MZI  
Bus

698129, 'MAZ 138', 138., 1, , , , , /\* Change kv on MAZ  
Bus

698130, 'BLE 138', 138., 1, , , , , /\* Change kv on BLE  
Bus

698131, 'STG 138', 138., 1, , , , , /\* Change kv on STG  
Bus

0 /\* End of Bus Data  
0 /\* End of Load Data  
0 /\* End of Generator Data

631145,693668, '1 ', 0.003354,0.040026,0.668525,2110,2110,2110, , , , , 1,80,1,1.0, , , , ,  
/\* Lore-Spring Green 345 kv (80 miles)

693668,699829, '1 ', 0.001174,0.014009,0.233984,2110,2110,2110, , , , , 1,28,693,1.0, , , , ,  
/\* Spring Green-West Middleton 345 kv (28 miles)

699114,698128, '1 ', 0.00355,0.02904,0.00701,348,481,552, , , , , 1,7,693,1.0, , , , ,

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/* Spring Green-Arena 138 kv (7 miles)
698128,693657,'1 ',0.00254,0.02074,0.00501,348,481,552,,,,,1,5,693,1.0,,,,,
/* Arena-Mazomanie West 138 kv (5 miles)
693657,699929,'1 ',0.00051,0.00415,0.00100,348,481,552,,,,,1,1,693,1.0,,,,,
/* Mazomanie West-Mazomanie Industrial 138 kv (1 mile)
699929,698129,'1 ',0.00102,0.00830,0.00200,348,481,552,,,,,1,2,693,1.0,,,,,
/* Mazomanie Industrial-Mazomanie 138 kv (2 miles)
698129,698130,'1 ',0.00203,0.01659,0.00401,348,481,552,,,,,1,4,693,1.0,,,,,
/* Mazomanie-Black Earth 138 kv (4 miles)
698130,698131,'1 ',0.00355,0.02904,0.00701,348,481,552,,,,,1,7,693,1.0,,,,,
/* Black Earth-Stage Coach 138 kv (7 miles)
698131,699820,'1 ',0.00203,0.01659,0.00401,348,481,552,,,,,1,4,693,1.0,,,,,
/* Stage Coach-West Middleton 138 kv (4 miles)
698133,698686,'1 ',0.01432,0.03675,0.00072,84,95,116,,,,,1,2.5,693,1.0,,,,,
/* Timberline Tap-Cross Plains 69 kv (2.5 miles)
698133,698134,'1 ',0.06876,0.17642,0.00347,84,95,116,,,,,1,12,693,1.0,,,,,
/* Timberline Tap-Mount Horeb 69 kv (12 miles)
0 /* End of Non-Transformer Branch Data
693668,699114,0,'1 ',1,1,1,0.00140,0.00000,2,'SPG 345',1,693,1.0000 /*
Spring Green 345/138 Xfmr 1
0.00030,0.02110,100.00 /*
Spring Green 345/138 Xfmr 1
1.025,0.00,0.00,500.0,500.0,500.0,0,0,1.50,0.51,1.50,0.51,33,0,0.00,0.00 /*
Spring Green 345/138 Xfmr 1
1.00,0.000 /*
Spring Green 345/138 Xfmr 1
0 /* End of Transformer Data
Q
@end

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