Figure A12-1
Arrowhead to Weston
Route 1.1 Summary

VARIABLE / ROUTE SEGMENT	1ax	1bx	7a	49	14b	20	25	27	31	34	38w	38x	107aw	107bw	109	111	119	123	127#	129x	131x	135x	140x	153ax	153bx	144#	145a	145b
Total Length (ft.)	11300	4500	4400	4900	55600	56600	25100	12400	17400	123800	3700	3700	1100	21200	1100	15200	22200	14900	7200	10300	46800	85900	5800	10800	6400	16700	19500	21800
New Right of Way (ft.)	0	0	4400	4900	55600	56600	25100	12400	17400	123800	3700	3700	1100	21200	1100	15200	22200	14900	5500	10300	46800	85900	5800	0	0	10000	19500	21800
New Right of Way (acres)	0	0	13.5	17	191.5	195	86.5	42.5	59.5	413	12.5	10	4	73	4	52.5	76	51.5	19.5	28.5	129	236.5	16	5	3	37.5	67	75
Existing Right of Way (ft.) - Double circuit	11300	4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1700	0	0	0	0	10800	6400	6700	0	0
Existing Right of Way (acres) - Double circuit	31	12.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	25	14.5	15.5	0	0
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	15900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Pipelines (ft.)	0	0	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Right of Way Sharing (%)	100	100	12	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	20	0	0	0	0	83	83	33	0	0
Homes 0-100 ft. from Centerline	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homes 100-300 ft. from Centerline	12	0	3	0	1	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	2	1	0	0	0	1	0	0
Existing Residential Zones (ft.)	4000	4200	2600	4000	4700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5100	5300	0	0	0	0	0	0	0
Commercial/Industrial Zones (ft.)	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	20600	0	0	0	0	0	0	0	0	0	0	0	2500	0	0	0	1300	1100	2500
Agricultural Zones (ft.)	6600	0	0	0	33000	51400	0	0	2600	0	0	0	0	17600	1100	15200	22200	14800	7000	5100	11300	55000	0	7200	0	4000	13300	9100
New Agricultural Disturbance (ft.)	0	0	0	500	25900	43300	12800	0	0	1000	700	700	500	800	0	0	2100	500	100	1200	600	20500	0	0	0	700	3200	1300
New Agricultural Disturbance (acres)	0	0	0	2	91	147.5	44.5	0	0	4.5	2	1.5	1.5	3	0	0	7	1.5	0	3	1.5	56	0	2	1	3.5	11.5	4.5
Existing Agricultural Disturbance (ft.)	3300	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4300	2000	1600	0	0
Existing Agricultural Disturbance (acres)	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.5	4.5	4	0	0
Total Agricultural Disturbance (ft.)	3300	300	0	500	25900	43300	12800	0	0	1000	700	700	500	800	0	0	2100	500	100	1200	600	20500	0	4300	2000	2300	3200	1300
Total Agricultural Disturbance (acres)	9	1	0	2	91	147.5	44.5	0	0	4.5	2	1.5	1.5	3	0	0	7	1.5	0	3	1.5	56	0	11.5	5.5	7.5	11.5	4.5
New Forested Wetlands (ft.)	0	0	300	1400	4200	3800	800	0	300	8200	900	900	0	6600	400	4800	5900	1000	700	400	14000	12000	0	0	0	700	1900	900
New Forested Wetlands (acres)	0	0	1	4.5	14	14	2.5	0	1.5	28	3	2.5	0	23.5	1.5	17.5	20	3.5	2.5	1	38.5	33	0	1	0	3	6.5	3
Existing Forested Wetlands (ft.)	300	1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2400	0	900	0	0
Existing Forested Wetlands (acres)	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5	0	2	0	0
New Non-forested Wetland (ft.)	0	0	400	0	7700	1500	600	0	0	5600	0	0	0	500	0	5400	3100	2900	0	1700	6100	12500	0	0	0	2700	2800	3600
New Non-forested Wetland (acres)	0	0	1.5	0	25.5	5.5	2	0	0	19	0	0	0	1.5	0	18.5	10.5	10	0	5	17	35	0	0	0	9	9.5	12.5
Existing Non-forested Wetland (ft.)	3400	1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	0	0	0
Existing Non-forested Wetland (acres)	9.5	3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0
Total Wetland (ft.)	3700	2700	700	1400	11900	5300	1400	0	300	13800	900	900	0	7100	400	10200	9000	3900	700	2100	20100	24500	0	2700	0	4300	4700	4500
Total Wetland (acres)	10.5	7.5	2.5	4.5	39.5	19.5	4.5	0	1.5	47	3	2.5	0	25	1.5	36	30.5	13.5	2.5	6	55.5	68	0	7	0	14	16	15.5
New Upland Forest (ft.)	0	0	3300	3000	15200	6400	9300	12100	17000	105500	1300	1300	600	12200	300	3400	9000	10100	4700	5900	21600	38000	5500	0	0	5400	10800	15700
New Upland Forest (acres)	0	0	10.5	10.5	51.5	23	31	41.5	58	347.5	4.5	3.5	2.5	41.5	1	11.5	32	34.5	17	16.5	58	104	15	1.5	2	20.5	37	53.5
Existing Upland Forest (ft.)	3400	1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1700	0	0	0	0	3000	4100	4200	0	0
Existing Upland Forest (acres)	9.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	7	9.5	9.5	0	0
Total Upland Forest (ft.)	3400	1200	3300	3000	15200	6400	9300	12100	17000	105500	1300	1300	600	12200	300	3400	9000	10100	6400	5900	21600	38000	5500	3000	4100	9600	10800	15700
Total Upland Forest (acres)	9.5	3	10.5	10.5	51.5	23	31	41.5	58	347.5	4.5	3.5	2.5	41.5	1	11.5	32	34.5	21	16.5	58	104	15	8.5	11.5	30	37	53.5
State Lands (ft.)	0	0	0	0	0	0	0	0	0	1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
County Forest Lands (ft.)	4200	1600	4400	0	0	0	0	0	0	18300	0	0	0	0	0	0	0	0	0	0	30500	18600	5300	3300	0	0	0	0
Other County or Municipal Lands (ft.)	1400	0	0	0	0	0	1200	0	0	1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Public Lands (ft.)	5600	1600	4400	0	0	0	1200	0	0	20900	0	0	0	0	0	0	0	0	0	0	30500	18600	5300	3300	0	0	0	0
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
New River Crossings (no.)	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-2
Arrowhead to Weston
Route 1.1 Summary

VARIABLE / ROUTE SEGMENT	149b	302'	301b	303	308'	159v	161v	1.1(1) Dbl-ckt. Total	1.1(2) Non-Dbl-ckt. Total
Total Length (ft.)	9400	7300	2900	7100	14400	3500	4500	675700	675700
New Right of Way (ft.)	9400	7300	2900	7100	14400	3500	4500	634300	634300
New Right of Way (acres)	32.5	25	9	24.5	44.5	3.5	4.5	2050	2052.5
Existing Right of Way (ft.) - Double circuit	0	0	0	0	0	0	0	41400	41400
Existing Right of Way (acres) - Double circuit	0	0	0	0	0	0	0	102.5	102.5
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	0	0	0	3500	4500	23900	23900
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0
Parallel to Pipelines (ft.)	0	0	2900	0	12300	0	0	19600	19600
Right of Way Sharing (%)	0	0	12	0	10	44	46	7	7
Homes 0-100 ft. from Centerline	0	0	0	0	0	2	0	4	4
Homes 100-300 ft. from Centerline	0	0	0	0	2	1	3	29	29
Existing Residential Zones (ft.)	0	0	0	0	0	0	0	29900	29900
Commercial/Industrial Zones (ft.)	0	0	0	0	0	0	0	500	500
Conservancy/Recreational Zones (ft.)	2500	0	0	0	0	0	0	30500	30500
Agricultural Zones (ft.)	800	0	1100	6100	4600	3500	4500	297100	297100
New Agricultural Disturbance (ft.)	1200	2900	700	2600	2300	1500	2800	129700	129700
New Agricultural Disturbance (acres)	4	10	2	9	7	1.5	3	423.5	424
Existing Agricultural Disturbance (ft.)	0	0	0	0	0	0	0	11500	11500
Existing Agricultural Disturbance (acres)	0	0	0	0	0	0	0	28	28
Total Agricultural Disturbance (ft.)	1200	2900	700	2600	2300	1500	2800	141200	141200
Total Agricultural Disturbance (acres)	4	10	2	9	7	1.5	3	451.5	452
New Forested Wetlands (ft.)	1000	500	1000	0	0	0	0	71700	71700
New Forested Wetlands (acres)	3.5	1.5	3.5	0	0	0	0	231	231.5
Existing Forested Wetlands (ft.)	0	0	0	0	0	0	0	5100	5100
Existing Forested Wetlands (acres)	0	0	0	0	0	0	0	12.5	12.5
New Non-forested Wetland (ft.)	1100	800	0	400	900	0	0	60300	60300
New Non-forested Wetland (acres)	3.5	2.5	0	1.5	3	0	0	192.5	192.5
Existing Non-forested Wetland (ft.)	0	0	0	0	0	0	0	4900	4900
Existing Non-forested Wetland (acres)	0	0	0	0	0	0	0	13.5	13.5
Total Wetland (ft.)	2100	1300	1000	400	900	0	0	142000	142000
Total Wetland (acres)	7	4	3.5	1.5	3	0	0	449.5	450
New Upland Forest (ft.)	5900	3200	1100	2700	11100	1700	1600	343600	343600
New Upland Forest (acres)	21	11	3	9	34	1.5	1.5	1106	1107
Existing Upland Forest (ft.)	0	0	0	0	0	0	0	17600	17600
Existing Upland Forest (acres)	0	0	0	0	0	0	0	42.5	42.5
Total Upland Forest (ft.)	5900	3200	1100	2700	11100	1700	1600	361200	361200
Total Upland Forest (acres)	21	11	3	9	34	1.5	1.5	1148.5	1149.5
State Lands (ft.)	0	0	0	0	0	0	0	1300	1300
County Forest Lands (ft.)	0	0	0	0	0	0	0	86200	86200
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	0	3900	3900
Total Public Lands (ft.)	0	0	0	0	0	0	0	91400	91400
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	0	0	0	0	0	0	0	3	3
New River Crossings (no.)	0	0	0	1	0	0	0	7	7

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

(1) = Option maximizing double-circuit construction, with H-frame design for segments with all new right-of-way.
(2) = Option maximizing parallel construction using H-frame structures.

Figure A12-3
Arrowhead to Weston
Route 1.2 Summary

VARIABLE / ROUTE SEGMENT	1ax	1bx	8ax	8b	11	16	18	21	23a	23b	24b'	29	110x	112	118	122	126'x	136x	139ax	139bx	154	155a	155b	147	309	125xv	127v#	158v	160v	TOTAL
Total Length (ft.)	11300	4500	3100	2000	46300	18400	1500	16200	16900	7200	54100	182300	1300	12900	20900	18400	129500	3100	3000	5400	4900	11200	27900	61300	12500	4500	7100	14800	10500	713000
New Right of Way (ft.)	0	0	0	2000	46300	18400	1500	16200	16900	7200	54100	182300	1300	12900	20900	18400	129500	3100	3000	0	4900	11200	27900	61300	12500	0	5500	14800	10500	682600
New Right of Way (acres)	0	0	0	7	159.5	63	5	55.5	58	25	186.5	627.5	3.5	44.5	72	63.5	355.5	8.5	8.5	2.5	17	38.5	96	211	43	0	19	14.5	10.5	2195
Existing Right of Way (ft.) - Double circuit	11300	4500	3100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5400	0	0	0	0	0	4500	1600	0	0	30400
Existing Right of Way (acres) - Double circuit	31	12.5	8.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.5	0	0	0	0	0	8.5	3	0	0	76
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1800	0	0	0	0	0	0	0	0	0	0	14800	10500	27100
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Pipelines (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Right of Way Sharing (%)	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	0	0	0	0	0	100	23	46	46	6
Homes 0-100 ft. from Centerline	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6
Homes 100-300 ft. from Centerline	12	0	5	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	30
Existing Residential Zones (ft.)	4000	4200	1200	0	8700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	0	0	0	0	18600
Commercial/Industrial Zones (ft.)	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3600	0	0	0	0	0	0	4900	0	0	0	0	0	8500
Agricultural Zones (ft.)	6600	0	0	0	36700	17700	1500	16000	16900	7200	32700	32400	1300	10600	20900	18400	74700	1900	400	0	0	0	7000	11900	4500	4300	7000	5300	10500	346400
New Agricultural Disturbance (ft.)	0	0	0	0	18100	10800	1500	10900	11100	6900	39600	46400	0	0	300	1500	23000	200	0	0	0	300	4800	9500	2900	0	100	4700	4400	197000
New Agricultural Disturbance (acres)	0	0	0	0	61.5	37	5	39.5	37.5	23.5	137	157	0	0	1.5	5.5	62	0.5	0	0.5	0	1	17	33.5	9.5	0	0	4.5	4.5	638
Existing Agricultural Disturbance (ft.)	3300	300	1600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1300	0	0	0	0	0	700	0	0	0	7200
Existing Agricultural Disturbance (acres)	9	1	4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	18.5
Total Agricultural Disturbance (ft.)	3300	300	1600	0	18100	10800	1500	10900	11100	6900	39600	46400	0	0	300	1500	23000	200	0	1300	0	300	4800	9500	2900	700	100	4700	4400	204200
Total Agricultural Disturbance (acres)	9	1	4.5	0	61.5	37	5	39.5	37.5	23.5	137	157	0	0	1.5	5.5	62	0.5	0	3.5	0	1	17	33.5	9.5	1	0	4.5	4.5	656.5
New Forested Wetlands (ft.)	0	0	0	0	6800	2500	0	300	1800	0	2000	12200	200	4200	1900	1400	13900	100	700	0	700	200	1700	8700	1200	0	700	0	100	61300
New Forested Wetlands (acres)	0	0	0	0	23	8.5	0	1	6.5	0	7	40.5	0.5	14	6.5	4.5	39	0.5	2	0	2.5	0.5	5.5	30	4	0	2.5	0	0	198.5
Existing Forested Wetlands (ft.)	300	1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1800
Existing Forested Wetlands (acres)	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
New Non-forested Wetland (ft.)	0	0	0	0	4700	1000	0	2200	1200	300	1200	6000	0	700	2200	9200	13700	500	0	0	0	0	3900	10900	300	0	0	0	1800	59800
New Non-forested Wetland (acres)	0	0	0	0	16	3.5	0	7.5	4.5	1	4	21.5	0	2	7.5	31	38	1.5	0	0	0	0	13	37.5	1	0	0	0	2	191.5
Existing Non-forested Wetland (ft.)	3400	1200	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	2300	0	0	0	7800
Existing Non-forested Wetland (acres)	9.5	3.5	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0	0	0	19.5
Total Wetland (ft.)	3700	2700	500	0	11500	3500	0	2500	3000	300	3200	18200	200	4900	4100	10600	27600	600	700	400	700	200	5600	19600	1500	2300	700	0	1900	130700
Total Wetland (acres)	10.5	7.5	1.5	0	39	12	0	8.5	11	1	11	62	0.5	16	14	35.5	77	2	2	1	2.5	0.5	18.5	67.5	5	4	2.5	0	2	414.5
New Upland Forest (ft.)	0	0	0	2000	13400	3900	0	1800	2100	0	9600	111400	1100	7500	15900	5400	72200	2200	2200	0	3900	10500	16800	30100	7500	0	4700	10100	3300	337600
New Upland Forest (acres)	0	0	0	7	48	13.5	0	4	7	0	32.5	386	3	26	54.5	19	200	6	6	1.5	13.5	36	57.5	103.5	26	0	16	10.5	3	1080
Existing Upland Forest (ft.)	3400	1200	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3200	0	0	0	0	0	1300	1600	0	0	11200
Existing Upland Forest (acres)	9.5	3	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.5	0	0	0	0	0	2.5	3	0	0	27
Total Upland Forest (ft.)	3400	1200	500	2000	13400	3900	0	1800	2100	0	9600	111400	1100	7500	15900	5400	72200	2200	2200	3200	3900	10500	16800	30100	7500	1300	6300	10100	3300	348800
Total Upland Forest (acres)	9.5	3	1.5	7	48	13.5	0	4	7	0	32.5	386	3	26	54.5	19	200	6	6	9	13.5	36	57.5	103.5	26	2.5	19	10.5	3	1107
State Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8600	0	0	0	0	0	0	8600
County Forest Lands (ft.)	4200	1600	800	2000	0	0	0	0	0	0	0	5700	0	0	0	0	0	0	0	4800	4200	8100	4000	23100	0	0	0	0	0	58500
Other County or Municipal Lands (ft.)	1400	0	0	0	2600	0	0	0	0	0	0	0	0	3000	0	0	2200	0	0	0	0	0	0	0	0	0	0	0	0	9200
Total Public Lands (ft.)	5600	1600	800	2000	2600	0	0	0	0	0	0	5700	0	3000	0	0	2200	0	0	4800	4200	8100	12600	23100	0	0	0	0	0	76300
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	0	0	0	1	3	0	0	0	0	0	9

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-4
Arrowhead to Weston
Route 1.3 Summary

VARIABLE / ROUTE SEGMENT	1ax	48	14b	19	21	23a	23b	24b'	29	110x	112	118	122	125x	127#	130x	156x	139bx	153ax	153bx	144#	145a	145b	149b	152	305	307	309	TOTAL
Total Length (ft.)	11300	10200	55600	900	16200	16900	7200	54100	182300	1300	12900	20900	18400	4500	7200	52300	79300	5400	10800	6400	16700	19500	21800	9400	2700	5400	21500	12500	683600
New Right of Way (ft.)	0	10200	55600	900	16200	16900	7200	54100	182300	1300	12900	20900	18400	0	5500	0	0	0	0	0	10000	19500	21800	9400	2700	5400	21500	12500	505200
New Right of Way (acres)	0	35	191.5	3	55.5	58	25	186.5	627.5	3.5	44.5	72	63.5	2	19.5	21.5	27.5	2.5	5	3	37.5	67	75	32.5	7.5	15	63	43	1787
Existing Right of Way (ft.) - Double circuit	11300	0	0	0	0	0	0	0	0	0	0	0	0	4500	1700	52300	79300	5400	10800	6400	6700	0	0	0	0	0	0	0	178400
Existing Right of Way (acres) - Double circuit	31	0	0	0	0	0	0	0	0	0	0	0	0	10.5	4	120	182	12.5	25	14.5	15.5	0	0	0	0	0	0	0	415
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11200	39900	0	0	0	0	0	0	0	0	0	0	0	51100
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2700	5400	17000	0	25100
Parallel to Pipelines (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Right of Way Sharing (%)	100	0	0	0	0	0	0	0	0	0	0	0	0	83	20	85	88	83	83	83	33	0	0	0	19	19	15	0	23
Homes 0-100 ft. from Centerline	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	0	11
Homes 100-300 ft. from Centerline	12	0	1	0	0	0	0	0	3	0	1	0	0	0	0	4	25	0	0	0	1	0	0	0	0	1	4	0	52
Existing Residential Zones (ft.)	4000	3100	4700	0	0	0	0	0	0	0	0	0	0	0	0	3900	0	0	0	0	0	0	0	0	0	0	0	500	16200
Commercial/Industrial Zones (ft.)	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	900
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1300	0	0	0	1300	1100	2500	2500	2700	0	0	0	11400
Agricultural Zones (ft.)	6600	0	33000	900	16000	16900	7200	32700	32400	1300	10600	20900	18400	4300	7000	35400	41500	0	7200	0	4000	13300	9100	800	0	0	17600	4500	341600
New Agricultural Disturbance (ft.)	0	200	25900	500	10900	11100	6900	39600	46400	0	0	300	1500	0	100	0	0	0	0	0	700	3200	1300	1200	0	0	8700	2900	161400
New Agricultural Disturbance (acres)	0	0.5	91	1.5	39.5	37.5	23.5	137	157	0	0	1.5	5.5	0	0	3	8.5	0.5	2	1	3.5	11.5	4.5	4	0	0	25.5	9.5	568
Existing Agricultural Disturbance (ft.)	3300	0	0	0	0	0	0	0	0	0	0	0	0	500	0	8100	32600	1300	4300	2000	1600	0	0	0	0	0	0	0	53700
Existing Agricultural Disturbance (acres)	9	0	0	0	0	0	0	0	0	0	0	0	0	1	0	18	71.5	3	9.5	4.5	4	0	0	0	0	0	0	0	120.5
Total Agricultural Disturbance (ft.)	3300	200	25900	500	10900	11100	6900	39600	46400	0	0	300	1500	500	100	8100	32600	1300	4300	2000	2300	3200	1300	1200	0	0	8700	2900	215100
Total Agricultural Disturbance (acres)	9	0.5	91	1.5	39.5	37.5	23.5	137	157	0	0	1.5	5.5	1	0	21	80	3.5	11.5	5.5	7.5	11.5	4.5	4	0	0	25.5	9.5	688.5
New Forested Wetlands (ft.)	0	3100	4200	400	300	1800	0	2000	12200	200	4200	1900	1400	0	700	0	0	0	0	0	700	1900	900	1000	800	800	0	1200	39700
New Forested Wetlands (acres)	0	11	14	1	1	6.5	0	7	40.5	0.5	14	6.5	4.5	0	2.5	3	3	0	1	0	3	6.5	3	3.5	2	2	0	4	140
Existing Forested Wetlands (ft.)	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6100	8200	0	2400	0	900	0	0	0	0	0	0	0	17900
Existing Forested Wetlands (acres)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.5	18	0	5.5	0	2	0	0	0	0	0	0	0	41
New Non-forested Wetland (ft.)	0	500	7700	0	2200	1200	300	1200	6000	0	700	2200	9200	0	0	0	0	0	0	0	2700	2800	3600	1100	1500	0	1200	300	44400
New Non-forested Wetland (acres)	0	2	25.5	0	7.5	4.5	1	4	21.5	0	2	7.5	31	1	0	3	2.5	0	0	0	9	9.5	12.5	3.5	4.5	0	4	1	157
Existing Non-forested Wetland (ft.)	3400	0	0	0	0	0	0	0	0	0	0	0	0	2300	0	8500	5600	400	300	0	0	0	0	0	0	0	0	0	20500
Existing Non-forested Wetland (acres)	9.5	0	0	0	0	0	0	0	0	0	0	0	0	5	0	19.5	13	1	0.5	0	0	0	0	0	0	0	0	0	48.5
Total Wetland (ft.)	3700	3600	11900	400	2500	3000	300	3200	18200	200	4900	4100	10600	2300	700	14600	13800	400	2700	0	4300	4700	4500	2100	2300	800	1200	1500	122500
Total Wetland (acres)	10.5	13	39.5	1	8.5	11	1	11	62	0.5	16	14	35.5	6	2.5	40	36.5	1	7	0	14	16	15.5	7	6.5	2	4	5	386.5
New Upland Forest (ft.)	0	5900	15200	0	1800	2100	0	9600	111400	1100	7500	15900	5400	0	4700	0	0	0	0	0	5400	10800	15700	5900	400	4300	9700	7500	240300
New Upland Forest (acres)	0	20	51.5	0	4	7	0	32.5	386	3	26	54.5	19	0.5	17	10.5	12	1.5	1.5	2	20.5	37	53.5	21	1	12	26.5	26	846
Existing Upland Forest (ft.)	3400	0	0	0	0	0	0	0	0	0	0	0	0	1500	1700	25300	30000	3200	3000	4100	4200	0	0	0	0	0	0	0	76400
Existing Upland Forest (acres)	9.5	0	0	0	0	0	0	0	0	0	0	0	0	3.5	4	58	72	7.5	7	9.5	9.5	0	0	0	0	0	0	0	180.5
Total Upland Forest (ft.)	3400	5900	15200	0	1800	2100	0	9600	111400	1100	7500	15900	5400	1500	6400	25300	30000	3200	3000	4100	9600	10800	15700	5900	400	4300	9700	7500	316700
Total Upland Forest (acres)	9.5	20	51.5	0	4	7	0	32.5	386	3	26	54.5	19	4	21	68.5	84	9	8.5	11.5	30	37	53.5	21	1	12	26.5	26	1026.5
State Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
County Forest Lands (ft.)	4200	7000	0	0	0	0	0	0	5700	0	0	0	0	0	0	11400	10800	4800	3300	0	0	0	0	0	0	0	0	0	47200
Other County or Municipal Lands (ft.)	1400	0	0	0	0	0	0	0	0	0	3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4400
Total Public Lands (ft.)	5600	7000	0	0	0	0	0	0	5700	0	3000	0	0	0	0	11400	10800	4800	3300	0	0	0	0	0	0	0	0	0	51600
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	1	0	0	5
New River Crossings (no.)	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	5

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-5
Arrowhead to Weston
Route 2.1 Summary

VARIABLE / ROUTE SEGMENT	1ax	1bx	7a	49	14b	19	21	23a	23b	202ax*	202ay*	202cx	202cy	203	221'	225	227	229	230	231	233	235	236	243x	243y	142x	142y
Total Length (ft.)	11300	4500	4400	4900	55600	900	16200	16900	7200	7100	7100	34900	34900	129500	17800	12800	3600	20600	2500	9800	2500	23900	53800	89400	89400	3200	3100
New Right of Way (ft.)	0	0	4400	4900	55600	900	16200	16900	7200	4100	7100	0	34900	129500	17800	12800	3600	20600	2500	9800	2500	23900	53800	0	89400	0	3100
New Right of Way (acres)	0	0	13.5	17	191.5	3	55.5	58	25	17	22	32	92	445.5	50	36	12.5	63	8.5	27.5	8.5	82	163.5	41	236	1.5	8
Existing Right of Way (ft.) - Double circuit	11300	4500	0	0	0	0	0	0	0	3000	0	34900	0	0	0	0	0	0	0	0	0	0	0	89400	0	3200	0
Existing Right of Way (acres) - Double circuit	31	12.5	0	0	0	0	0	0	0	5.5	0	64	0	0	0	0	0	0	0	0	0	0	0	205	0	7.5	0
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	3000	0	34900	0	0	0	0	0	0	0	0	0	0	0	89400	0	3100
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17800	12800	0	0	0	9800	0	0	33100	0	0	0	0
Parallel to Pipelines (ft.)	0	0	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18400	0	0	0	0	0	0	0	0	0
Right of Way Sharing (%)	100	100	12	0	0	0	0	0	0	28	10	67	23	0	19	19	0	11	0	19	0	0	11	83	23	83	23
Homes 0-100 ft. from Centerline	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homes 100-300 ft. from Centerline	12	0	3	0	1	0	0	0	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0	3	3	0	0
Existing Residential Zones (ft.)	4000	4200	2600	4000	4700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial/Industrial Zones (ft.)	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3800	3800	0	0
Agricultural Zones (ft.)	6600	0	0	0	33000	900	16000	16900	7200	6600	6600	34900	34900	34300	0	0	0	0	0	0	0	0	5700	58100	58100	0	0
New Agricultural Disturbance (ft.)	0	0	0	500	25900	500	10900	11100	6900	3700	5900	0	27200	85700	3700	3900	3100	12500	1200	200	800	13100	18000	0	41500	0	2700
New Agricultural Disturbance (acres)	0	0	0	2	91	1.5	39.5	37.5	23.5	14.5	18.5	25	72	300	10.5	10.5	11	38.5	3.5	1	3	45	59.5	20	103	1	7
Existing Agricultural Disturbance (ft.)	3300	300	0	0	0	0	0	0	0	2300	0	26200	0	0	0	0	0	0	0	0	0	0	0	46200	0	2300	0
Existing Agricultural Disturbance (acres)	9	1	0	0	0	0	0	0	0	4	0	49	0	0	0	0	0	0	0	0	0	0	0	105	0	5	0
Total Agricultural Disturbance (ft.)	3300	300	0	500	25900	500	10900	11100	6900	6000	5900	26200	27200	85700	3700	3900	3100	12500	1200	200	800	13100	18000	46200	41500	2300	2700
Total Agricultural Disturbance (acres)	9	1	0	2	91	1.5	39.5	37.5	23.5	18.5	18.5	74	72	300	10.5	10.5	11	38.5	3.5	1	3	45	59.5	125	103	6	7
New Forested Wetlands (ft.)	0	0	300	1400	4200	400	300	1800	0	0	800	0	400	10800	1800	200	0	600	0	400	0	1600	3100	0	5600	0	200
New Forested Wetlands (acres)	0	0	1	4.5	14	1	1	6.5	0	0.5	2	0.5	1	37	5	1	0	2	0	1.5	0	5.5	8.5	2	15.5	0	0.5
Existing Forested Wetlands (ft.)	300	1500	0	0	0	0	0	0	0	100	0	400	0	0	0	0	0	0	0	0	0	0	0	2900	0	500	0
Existing Forested Wetlands (acres)	1	4	0	0	0	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0	0	0	0	0	0	8	0	1	0
New Non-forested Wetland (ft.)	0	0	400	0	7700	0	2200	1200	300	0	0	0	1900	7400	5300	6200	0	2500	200	4400	600	3400	11200	0	12200	0	0
New Non-forested Wetland (acres)	0	0	1.5	0	25.5	0	7.5	4.5	1	0	0	1.5	5	25	14.5	18	0	8	0.5	12.5	2	11.5	34	5.5	31.5	0	0
Existing Non-forested Wetland (ft.)	3400	1200	0	0	0	0	0	0	0	500	0	1600	0	0	0	0	0	0	0	0	0	0	0	12800	0	100	0
Existing Non-forested Wetland (acres)	9.5	3.5	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0
Total Wetland (ft.)	3700	2700	700	1400	11900	400	2500	3000	300	600	800	2000	2300	18200	7100	6400	0	3100	200	4800	600	5000	14300	15700	17800	600	200
Total Wetland (acres)	10.5	7.5	2.5	4.5	39.5	1	8.5	11	1	2	2	5.5	6	62	19.5	19	0	10	0.5	14	2	17	42.5	44.5	47	1	0.5
New Upland Forest (ft.)	0	0	3300	3000	15200	0	1800	2100	0	400	400	0	4500	21700	6300	1400	300	3000	0	3300	200	4000	17000	0	26500	0	200
New Upland Forest (acres)	0	0	10.5	10.5	51.5	0	4	7	0	1.5	1.5	4	11.5	70.5	17.5	3.5	0.5	9.5	0	9	0.5	14	48.5	11.5	76	0	0.5
Existing Upland Forest (ft.)	3400	1200	0	0	0	0	0	0	0	200	0	4900	0	0	0	0	0	0	0	0	0	0	0	23300	0	0	0
Existing Upland Forest (acres)	9.5	3	0	0	0	0	0	0	0	0.5	0	8.5	0	0	0	0	0	0	0	0	0	0	0	53.5	0	0	0
Total Upland Forest (ft.)	3400	1200	3300	3000	15200	0	1800	2100	0	600	400	4900	4500	21700	6300	1400	300	3000	0	3300	200	4000	17000	23300	26500	0	200
Total Upland Forest (acres)	9.5	3	10.5	10.5	51.5	0	4	7	0	2	1.5	12.5	11.5	70.5	17.5	3.5	0.5	9.5	0	9	0.5	14	48.5	65	76	0	0.5
State Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3100	0	0	0	0
County Forest Lands (ft.)	4200	1600	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other County or Municipal Lands (ft.)	1400	0	0	0	0	0	0	0	0	0	0	0	0	1100	900	0	0	0	0	0	0	0	1300	0	0	0	0
Total Public Lands (ft.)	5600	1600	4400	0	0	0	0	0	0	0	0	0	0	1100	900	0	0	0	0	0	0	0	4400	0	0	0	0
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	2	2	0	0
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-6
Arrowhead to Weston
Route 2.1 Summary

VARIABLE / ROUTE SEGMENT	144#	145a	145b	149b	152	305	307	309	2.1(1) Dbl-ckt Total	2.1(2) Parallel Total
Total Length (ft.)	16700	19500	21800	9400	2700	5400	21500	12500	642800	642700
New Right of Way (ft.)	10000	19500	21800	9400	2700	5400	21500	12500	489800	620200
New Right of Way (acres)	37.5	67	75	32.5	7.5	15	63	43	1692.5	1959
Existing Right of Way (ft.) - Double circuit	6700	0	0	0	0	0	0	0	153000	22500
Existing Right of Way (acres) - Double circuit	15.5	0	0	0	0	0	0	0	341	59
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	130400
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0
Parallel to Railroads (ft.)	0	0	0	0	2700	5400	17000	0	98600	98600
Parallel to Pipelines (ft.)	0	0	0	0	0	0	0	0	22800	22800
Right of Way Sharing (%)	33	0	0	0	19	19	15	0	23	11
Homes 0-100 ft. from Centerline	0	0	0	0	0	0	0	0	2	2
Homes 100-300 ft. from Centerline	1	0	0	0	0	1	4	0	29	29
Existing Residential Zones (ft.)	0	0	0	0	0	0	0	500	20000	20000
Commercial/Industrial Zones (ft.)	0	0	0	0	0	0	400	0	900	900
Conservancy/Recreational Zones (ft.)	1300	1100	2500	2500	2700	0	0	0	13900	13900
Agricultural Zones (ft.)	4000	13300	9100	800	0	0	17600	4500	269500	269500
New Agricultural Disturbance (ft.)	700	3200	1300	1200	0	0	8700	2900	219700	293300
New Agricultural Disturbance (acres)	3.5	11.5	4.5	4	0	0	25.5	9.5	796.5	936.5
Existing Agricultural Disturbance (ft.)	1600	0	0	0	0	0	0	0	82200	5200
Existing Agricultural Disturbance (acres)	4	0	0	0	0	0	0	0	177	14
Total Agricultural Disturbance (ft.)	2300	3200	1300	1200	0	0	8700	2900	301900	298500
Total Agricultural Disturbance (acres)	7.5	11.5	4.5	4	0	0	25.5	9.5	973.5	950.5
New Forested Wetlands (ft.)	700	1900	900	1000	800	800	0	1200	34200	41200
New Forested Wetlands (acres)	3	6.5	3	3.5	2	2	0	4	115.5	131.5
Existing Forested Wetlands (ft.)	900	0	0	0	0	0	0	0	6600	2700
Existing Forested Wetlands (acres)	2	0	0	0	0	0	0	0	17	7
New Non-forested Wetland (ft.)	2700	2800	3600	1100	1500	0	1200	300	66200	80300
New Non-forested Wetland (acres)	9	9.5	12.5	3.5	4.5	0	4	1	217	246.5
Existing Non-forested Wetland (ft.)	0	0	0	0	0	0	0	0	19600	4600
Existing Non-forested Wetland (acres)	0	0	0	0	0	0	0	0	46	13
Total Wetland (ft.)	4300	4700	4500	2100	2300	800	1200	1500	126600	128800
Total Wetland (acres)	14	16	15.5	7	6.5	2	4	5	395.5	398
New Upland Forest (ft.)	5400	10800	15700	5900	400	4300	9700	7500	142700	173900
New Upland Forest (acres)	20.5	37	53.5	21	1	12	26.5	26	471.5	544
Existing Upland Forest (ft.)	4200	0	0	0	0	0	0	0	37200	8800
Existing Upland Forest (acres)	9.5	0	0	0	0	0	0	0	84.5	22
Total Upland Forest (ft.)	9600	10800	15700	5900	400	4300	9700	7500	179900	182700
Total Upland Forest (acres)	30	37	53.5	21	1	12	26.5	26	556	566
State Lands (ft.)	0	0	0	0	0	0	0	0	3100	3100
County Forest Lands (ft.)	0	0	0	0	0	0	0	0	10200	10200
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	0	0	4700	4700
Total Public Lands (ft.)	0	0	0	0	0	0	0	0	18000	18000
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	1	1
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	0	1	0	0	8	8
New River Crossings (no.)	0	0	2	0	0	0	0	0	8	8

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

(1) = Option maximizing double-circuit construction, with H-frame design for segments with all new right-of-way.
(2) = Option maximizing parallel construction using H-frame structures.

Figure A12-7
Arrowhead to Weston
Route 2.2 Summary

VARIABLE / ROUTE SEGMENT	1ax	1bx	8ax	8b	11	201	209	213'#	213'x	223	226	229	230	231	233	235	237	239	240	242'#	301a'	301b	303	308'	2.2(1) Dbl-ckt Total	2.2(2) Parallel Total
Total Length (ft.)	11300	4500	3100	2000	46300	163900	16200	42500	42500	33500	16800	20600	2500	9800	2500	23900	48400	31800	5800	83100	7900	2900	7100	14400	600800	600800
New Right of Way (ft.)	0	0	0	2000	46300	163900	16200	30600	5400	33500	16800	20600	2500	9800	2500	23900	48400	31800	5800	83100	7900	2900	7100	14400	544800	570000
New Right of Way (acres)	0	0	0	7	159.5	551.5	45.5	96	52.5	115	51	63	8.5	27.5	8.5	82	146.5	105.5	18.5	250.5	24	9	24.5	44.5	1794.5	1838
Existing Right of Way (ft.) - Double circuit	11300	4500	3100	0	0	0	0	11900	37200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56100	30800
Existing Right of Way (acres) - Double circuit	31	12.5	8.5	0	0	0	0	22	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	74
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	25200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25200
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Railroads (ft.)	0	0	0	0	0	19800	16200	0	0	0	0	0	0	9800	0	0	0	0	0	0	0	0	0	0	45800	45800
Parallel to Pipelines (ft.)	0	0	0	0	0	0	0	0	0	0	16800	18400	0	0	0	0	48300	9100	3400	71100	7900	2900	0	12300	190200	190200
Right of Way Sharing (%)	100	100	100	0	0	2	19	33	59	0	12	11	0	19	0	0	12	3	7	10	12	12	0	10	12	11
Homes 0-100 ft. from Centerline	2	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
Homes 100-300 ft. from Centerline	12	0	5	0	0	5	2	2	2	0	0	1	0	0	0	0	0	0	2	9	1	0	0	2	41	41
Existing Residential Zones (ft.)	4000	4200	1200	0	8700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18100	18100
Commercial/Industrial Zones (ft.)	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	0	900	900
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	8900	0	0	0	0	9300	9300
Agricultural Zones (ft.)	6600	0	0	0	36700	80800	0	0	0	0	0	0	0	0	0	0	1000	25000	4200	47900	6100	1100	6100	4600	220100	220100
New Agricultural Disturbance (ft.)	0	0	0	0	18100	98500	7100	21100	3300	19000	11600	12500	1200	200	800	13100	21100	16400	5600	34400	4200	700	2600	2300	272700	290500
New Agricultural Disturbance (acres)	0	0	0	0	61.5	330	19.5	66	38	67	35.5	38.5	3.5	1	3	45	64	54	17.5	102.5	12.5	2	9	7	911	939
Existing Agricultural Disturbance (ft.)	3300	300	1600	0	0	0	0	7900	27700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32900	13100
Existing Agricultural Disturbance (acres)	9	1	4.5	0	0	0	0	14.5	51.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	29
Total Agricultural Disturbance (ft.)	3300	300	1600	0	18100	98500	7100	29000	31000	19000	11600	12500	1200	200	800	13100	21100	16400	5600	34400	4200	700	2600	2300	305600	303600
Total Agricultural Disturbance (acres)	9	1	4.5	0	61.5	330	19.5	80.5	89.5	67	35.5	38.5	3.5	1	3	45	64	54	17.5	102.5	12.5	2	9	7	977	968
New Forested Wetlands (ft.)	0	0	0	0	6800	9300	1300	1600	0	300	0	600	0	400	0	1600	1300	500	200	5400	0	1000	0	0	28700	30300
New Forested Wetlands (acres)	0	0	0	0	23	32.5	3.5	6	3	1	0	2	0	1.5	0	5.5	4	2	0.5	16	0	3.5	0	0	98	101
Existing Forested Wetlands (ft.)	300	1500	0	0	0	0	0	1600	3200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5000	3400
Existing Forested Wetlands (acres)	1	4	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	8
New Non-forested Wetland (ft.)	0	0	0	0	4700	15900	500	1500	0	6200	1200	2500	200	4400	600	3400	8400	4000	0	12600	1500	0	400	900	67400	68900
New Non-forested Wetland (acres)	0	0	0	0	16	55.5	1.5	4	0.5	20.5	3	8	0.5	12.5	2	11.5	25.5	13.5	0	39	4.5	0	1.5	3	218.5	222
Existing Non-forested Wetland (ft.)	3400	1200	500	0	0	0	0	0	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5700	5100
Existing Non-forested Wetland (acres)	9.5	3.5	1.5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.5	14.5
Total Wetland (ft.)	3700	2700	500	0	11500	25200	1800	4700	3800	6500	1200	3100	200	4800	600	5000	9700	4500	200	18000	1500	1000	400	900	106800	107700
Total Wetland (acres)	10.5	7.5	1.5	0	39	88	5	13	10.5	21.5	3	10	0.5	14	2	17	29.5	15.5	0.5	55	4.5	3.5	1.5	3	343	345.5
New Upland Forest (ft.)	0	0	0	2000	13400	28800	6400	5600	2100	6000	3100	3000	0	3300	200	4000	13000	7300	0	26400	1900	1100	2700	11100	135800	139300
New Upland Forest (acres)	0	0	0	7	48	96	18.5	17.5	9	21	9.5	9.5	0	9	0.5	14	39.5	24	0	80.5	6	3	9	34	438	446.5
Existing Upland Forest (ft.)	3400	1200	500	0	0	0	0	1300	3400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8500	6400
Existing Upland Forest (acres)	9.5	3	1.5	0	0	0	0	2.5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	16.5
Total Upland Forest (ft.)	3400	1200	500	2000	13400	28800	6400	6900	5500	6000	3100	3000	0	3300	200	4000	13000	7300	0	26400	1900	1100	2700	11100	144300	145700
Total Upland Forest (acres)	9.5	3	1.5	7	48	96	18.5	20	15	21	9.5	9.5	0	9	0.5	14	39.5	24	0	80.5	6	3	9	34	458	463
State Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
County Forest Lands (ft.)	4200	1600	800	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8600	8600
Other County or Municipal Lands (ft.)	1400	0	0	0	2600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000	4000
Total Public Lands (ft.)	5600	1600	800	2000	2600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12600	12600
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	0	0	0	2	2	0	0	1	0	0	0	0	1	1	0	4	0	0	0	0	10	10
New River Crossings (no.)	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	10	10

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

(1) = Option maximizing double-circuit construction, with H-frame design for segments with all new right-of-way.
(2) = Option maximizing parallel construction using H-frame structures.

Figure A12-8
Arrowhead to Weston
Route 3.1 Summary

VARIABLE / ROUTE SEGMENT	311	315	316	317	319	323	324	328	334a	337a	337c	340x*	340y*	341#	341x	343x	346x	349x	352x	357x	357y	359#	359x	360x	360y	367'x*	367'y*
Total Length (ft.)	14200	10000	13500	5500	4700	11200	41100	9700	2300	16100	11100	8700	8700	20200	20200	4000	9000	1500	6300	54900	54900	8300	8300	33900	33800	31400	31400
New Right of Way (ft.)	14200	10000	13500	5500	4700	11200	41100	9700	2300	16100	11100	1500	8700	17200	0	0	0	0	0	0	54900	7200	0	0	33800	10700	31400
New Right of Way (acres)	43	34.5	41	16.5	14	34	141	27	6.5	55	38	7	24	46	6.5	1.5	2.5	0.5	3	15	145	18	1	0	77.5	33.5	81
Existing Right of Way (ft.) - Double circuit	0	0	0	0	0	0	0	0	0	0	0	7200	0	3000	20200	4000	9000	1500	6300	54900	0	1100	8300	33900	0	20700	0
Existing Right of Way (acres) - Double circuit	0	0	0	0	0	0	0	0	0	0	0	16.5	0	7	46.5	9	20.5	3.5	14.5	126	0	3	21	93.5	0	57	0
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	7200	17200	0	0	0	0	0	0	54900	7200	0	0	33800	0	20600
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4100	4100
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	9600	2300	0	0	0	0	3000	13000	0	0	0	0	48300	0	1100	8300	0	0	0	0
Parallel to Pipelines (ft.)	14200	0	13500	5500	4700	11200	0	0	0	0	0	7200	0	0	0	2200	7100	0	0	0	0	0	0	15400	0	20700	0
Right of Way Sharing (%)	12	0	12	12	12	12	0	19	19	0	0	76	19	33	89	88	90	83	83	91	23	37	96	100	33	69	25
Homes 0-100 ft. from Centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
Homes 100-300 ft. from Centerline	0	0	1	1	0	0	2	0	0	0	0	0	0	2	2	0	0	0	4	0	0	0	0	5	3	0	0
Existing Residential Zones (ft.)	0	300	0	0	0	0	0	100	0	0	0	0	0	3600	3600	600	5600	0	0	0	0	0	0	4000	4000	2000	2000
Commercial/Industrial Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700	0	0	0	1500	1500	0	0	0	0
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2100	0	0	200	200	300	300	1200	1200	0	0
Agricultural Zones (ft.)	10300	8700	6300	4200	0	0	8000	0	2100	15400	10800	6300	6300	11200	11200	0	1300	0	3500	2200	2200	0	0	0	0	1300	1300
New Agricultural Disturbance (ft.)	500	2600	1100	2600	1300	200	4000	0	0	12700	4400	0	2300	2600	0	0	0	0	0	0	6300	900	0	0	9300	1700	5100
New Agricultural Disturbance (acres)	1.5	8.5	3	7.5	4	0.5	14	0	0	43.5	15.5	1	6.5	7.5	1	0.5	1	0	1	3	20	2.5	0	0	22	4	12
Existing Agricultural Disturbance (ft.)	0	0	0	0	0	0	0	0	0	0	0	2300	0	400	3000	1900	1700	100	1900	3400	0	200	1100	6500	0	2800	0
Existing Agricultural Disturbance (acres)	0	0	0	0	0	0	0	0	0	0	0	5.5	0	1	7	4.5	4	0	4.5	15.5	0	0.5	2.5	18	0	7	0
Total Agricultural Disturbance (ft.)	500	2600	1100	2600	1300	200	4000	0	0	12700	4400	2300	2300	3000	3000	1900	1700	100	1900	3400	6300	1100	1100	6500	9300	4500	5100
Total Agricultural Disturbance (acres)	1.5	8.5	3	7.5	4	0.5	14	0	0	43.5	15.5	6.5	6.5	8.5	8	5	5	0	5.5	18.5	20	3	2.5	18	22	11	12
New Forested Wetlands (ft.)	0	0	0	0	0	0	600	1800	1300	800	0	0	0	0	0	0	0	0	0	0	11300	300	0	0	1700	200	1200
New Forested Wetlands (acres)	0	0	0	0	0	0	2	4.5	3.5	3	0	0	0	0	0	0	0	0	0	2.5	30	1	0	0	4.5	0.5	5
Existing Forested Wetlands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	0	11300	0	0	300	100	0	0	0
Existing Forested Wetlands (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	26.5	0	0	0.5	1.5	0	0	0
New Non-forested Wetland (ft.)	0	0	0	0	0	0	1100	0	1000	700	200	0	0	5400	0	0	0	0	0	0	17200	1200	0	0	2500	400	4100
New Non-forested Wetland (acres)	0	0	0	0	0	0	3.5	0	2.5	2.5	0.5	0	0	14.5	2	0	0	0	0.5	4.5	45	3	0	0	6	1.5	8
Existing Non-forested Wetland (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	1400	6800	300	0	0	600	17200	0	0	1200	3600	0	4400	0
Existing Non-forested Wetland (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	3	15.5	0.5	0	0	1.5	39	0	0	3.5	8.5	0	12	0
Total Wetland (ft.)	0	0	0	0	0	0	1700	1800	2300	1500	200	0	0	6800	6800	300	400	0	600	28500	28500	1500	1500	3700	4200	5000	5300
Total Wetland (acres)	0	0	0	0	0	0	5.5	4.5	6	5.5	0.5	0	0	17.5	17.5	0.5	1	0	2	72.5	75	4	4	10	10.5	14	13
New Upland Forest (ft.)	13700	7300	12400	2800	3400	10900	34700	7700	0	1700	5800	1500	6300	7000	0	0	0	0	0	0	18500	3900	0	0	7700	5600	11100
New Upland Forest (acres)	41.5	25	38	8.5	10.5	33	118.5	22	0	6.5	20.5	6	17.5	18	2.5	0.5	1.5	0.5	1	4	45.5	10	0.5	0	18	20	33.5
Existing Upland Forest (ft.)	0	0	0	0	0	0	0	0	0	0	0	4800	0	700	7700	1700	6100	1400	2400	18000	0	900	4700	9500	0	3700	0
Existing Upland Forest (acres)	0	0	0	0	0	0	0	0	0	0	0	11	0	1.5	17.5	4	13.5	3	5.5	41.5	0	2	12	26.5	0	10.5	0
Total Upland Forest (ft.)	13700	7300	12400	2800	3400	10900	34700	7700	0	1700	5800	6300	6300	7700	7700	1700	6100	1400	2400	18000	18500	4800	4700	9500	7700	9300	11100
Total Upland Forest (acres)	41.5	25	38	8.5	10.5	33	118.5	22	0	6.5	20.5	17	17.5	19.5	20	4.5	15	3.5	6.5	45.5	45.5	12	12.5	26.5	18	30.5	33.5
State Lands (ft.)	2200	0	0	0	0	0	2700	0	0	0	0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	6300	6300
County Forest Lands (ft.)	0	0	0	0	0	0	19200	0	0	0	0	600	600	6300	6300	0	0	0	0	44500	44500	3900	3900	7900	7900	22800	22800
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1800	1800	5400	5400
Total Public Lands (ft.)	2200	0	0	0	0	0	21900	0	0	0	0	600	600	6300	6300	0	2100	0	0	44500	44500	3900	3900	9700	9700	34500	34500
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-9
Arrowhead to Weston
Route 3.1 Summary

VARIABLE / ROUTE SEGMENT	372'x*	372'y*	377x	377y	379x*	379y*	385x	385y	392	393	394x	397x	3.1(1) Dbl-ckt Total	3.1(2) Parallel Total
Total Length (ft.)	96400	96700	8200	8200	9300	9300	13300	13300	7700	32500	3200	5500	493700	493900
New Right of Way (ft.)	1800	96700	0	8200	3900	9300	0	13300	7700	32500	0	0	204700	453100
New Right of Way (acres)	6	224	0	19	11.5	24	0	30.5	26	91	0	0	672.5	1247
Existing Right of Way (ft.) - Double circuit	94600	0	8200	0	5500	0	13300	0	0	0	3200	5500	289100	40800
Existing Right of Way (acres) - Double circuit	260.5	0	22.5	0	15	0	36.5	0	0	0	9	15	748.5	99.5
Parallel to Existing Line 69kV or Greater (ft.)	0	94900	0	8200	0	5500	0	13300	0	0	0	0	7200	255600
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	13300	0	0	0	0	0	17400	4100
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	1200	32500	1700	5500	115200	64100
Parallel to Pipelines (ft.)	43600	0	8200	0	9300	3800	0	0	0	0	0	0	162800	62200
Right of Way Sharing (%)	98	32	100	33	64	24	100	33	3	19	100	100	60	26
Homes 0-100 ft. from Centerline	0	0	0	0	0	0	0	0	0	1	0	1	2	4
Homes 100-300 ft. from Centerline	8	5	0	0	1	1	1	0	0	3	1	13	42	36
Existing Residential Zones (ft.)	12900	12900	0	0	0	0	0	0	0	0	0	0	29100	29100
Commercial/Industrial Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	2200	2200
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	3100	0	0	6900	6900
Agricultural Zones (ft.)	35000	35000	8200	8200	9200	9200	13300	13300	7700	10400	0	0	175400	175400
New Agricultural Disturbance (ft.)	600	19700	0	5100	2200	6500	0	6900	300	7300	0	0	42400	100800
New Agricultural Disturbance (acres)	2	39.5	0	11	6	15.5	0	22	1.5	20	0	0	141.5	278
Existing Agricultural Disturbance (ft.)	23100	0	5100	0	4300	0	6900	0	0	0	1200	2600	67000	10900
Existing Agricultural Disturbance (acres)	61.5	0	14.5	0	12	0	21	0	0	0	4	7	186.5	27.5
Total Agricultural Disturbance (ft.)	23700	19700	5100	5100	6500	6500	6900	6900	300	7300	1200	2600	109400	111700
Total Agricultural Disturbance (acres)	63.5	39.5	14.5	11	18	15.5	21	22	1.5	20	4	7	328	305.5
New Forested Wetlands (ft.)	0	7800	0	0	0	0	0	0	2400	1500	0	0	8900	30400
New Forested Wetlands (acres)	0	23.5	0	0	1	1	0	0	8.5	5	0	0	31.5	90.5
Existing Forested Wetlands (ft.)	3800	0	0	0	0	0	0	0	0	0	100	0	15700	800
Existing Forested Wetlands (acres)	11.5	0	0	0	0	0	0	0	0	0	0.5	0	41	2
New Non-forested Wetland (ft.)	0	11100	0	0	0	0	0	0	2400	8400	0	0	15400	54100
New Non-forested Wetland (acres)	0	22.5	0	0	0	0	0	0	8.5	22.5	0	0	51.5	136.5
Existing Non-forested Wetland (ft.)	14000	0	0	0	0	0	0	0	0	0	0	0	46900	3500
Existing Non-forested Wetland (acres)	37.5	0	0	0	0	0	0	0	0	0	0	0	114.5	8.5
Total Wetland (ft.)	17800	18900	0	0	0	0	0	0	4800	9900	100	0	86900	88800
Total Wetland (acres)	49	46	0	0	1	1	0	0	17	27.5	0.5	0	238.5	237.5
New Upland Forest (ft.)	700	50200	0	2900	900	2000	0	4000	600	6000	0	0	119600	216700
New Upland Forest (acres)	2.5	120.5	0	7	3	6	0	5.5	2	18.5	0	0	396	620
Existing Upland Forest (ft.)	46200	0	2900	0	1200	0	4000	0	0	0	1400	1100	113000	19500
Existing Upland Forest (acres)	129	0	7.5	0	3	0	10	0	0	0	3.5	3.5	291.5	46.5
Total Upland Forest (ft.)	46900	50200	2900	2900	2100	2000	4000	4000	600	6000	1400	1100	232600	236200
Total Upland Forest (acres)	131.5	120.5	7.5	7	6	6	10	5.5	2	18.5	3.5	3.5	687.5	666.5
State Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	13300	13300
County Forest Lands (ft.)	34600	34600	0	0	0	0	0	0	0	8900	0	0	148700	148700
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	6600	6600	0	400	0	0	14200	14200
Total Public Lands (ft.)	34600	34600	0	0	0	0	6600	6600	0	9300	0	0	176200	176200
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Existing River Crossings (no.)	0	0	1	1	0	0	0	0	0	3	0	1	9	9
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

(1) = Option maximizing double-circuit construction, with H-frame design for segments with all new right-of-way.
(2) = Option maximizing parallel construction using H-frame structures.

Figure A12-10
Arrowhead to Weston
Route 3.2 Summary

VARIABLE / ROUTE SEGMENT	312x	312y	321	322	323	325	326	329	330x	332ax	332cx	339	340x*	340y*	341#	341x	344x	347x	351	353	355'	356	362	363	365	368	371	398	399	373b	376
Total Length (ft.)	26000	25900	16900	13000	11200	500	25900	10200	2900	11100	17100	4900	8700	8700	20200	20200	2300	12400	1500	1600	21300	57200	7200	14400	21800	11500	3900	25200	65000	18200	8100
New Right of Way (ft.)	0	25900	16900	13000	11200	500	25900	10200	0	0	0	4900	1500	8700	17200	0	2300	12400	1500	1600	21300	57200	7200	14400	21800	11500	3900	25200	65000	18200	8100
New Right of Way (acres)	12	68.5	58.5	44.5	34	1.5	85	33	0.5	3	8	16.5	7	24	46	6.5	5	28.5	5.5	5.5	73.5	197	24.5	49.5	75	39.5	13.5	72.5	171.5	55	24.5
Existing Right of Way (ft.) - Double circuit	26000	0	0	0	0	0	0	0	2900	11100	17100	0	7200	0	3000	20200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Right of Way (acres) - Double circuit	59.5	0	0	0	0	0	0	0	6.5	25.5	39	0	16.5	0	7	46.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Existing Line 69kV or Greater (ft.)	0	25900	0	0	0	0	0	0	0	0	0	0	0	7200	17200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	4900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16400	64900	0	0
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3000	13000	2300	11300	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Pipelines (ft.)	0	0	0	0	11200	500	0	4700	2900	8200	0	300	7200	0	0	0	0	1200	0	0	0	0	0	0	0	0	0	2700	0	18100	8100
Right of Way Sharing (%)	83	23	0	0	12	12	4	6	92	89	83	1	76	19	33	89	18	17	0	0	0	0	0	0	0	0	0	16	23	12	12
Homes 0-100 ft. from Centerline	0	0	0	0	0	0	0	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homes 100-300 ft. from Centerline	4	3	1	0	0	0	1	0	6	3	3	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	2	7	0	0
Existing Residential Zones (ft.)	5400	5400	0	0	0	0	0	2000	2900	7000	2700	0	0	0	3600	3600	0	6700	700	0	0	0	800	4100	2000	1200	0	1300	14200	0	0
Commercial/Industrial Zones (ft.)	0	0	0	0	0	0	0	0	0	0	300	0	0	0	0	0	0	0	400	0	0	0	0	0	0	0	0	3800	1300	0	0
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	1000	0	0	0	0	0	0	0	1500	0	0	0	700	0	0	0	200	0	4500	0	0	0
Agricultural Zones (ft.)	7100	7100	7500	2600	0	0	5800	6300	0	0	13600	4500	6300	6300	11200	11200	0	2800	0	0	0	0	0	0	0	0	2600	9200	19600	9200	8100
New Agricultural Disturbance (ft.)	0	4600	900	0	200	0	500	300	0	0	0	1100	0	2300	2600	0	800	700	0	0	0	400	700	300	300	800	900	600	11200	5500	2600
New Agricultural Disturbance (acres)	2.5	12	3	0	0.5	0	1.5	1	0.5	1	4.5	4	1	6.5	7.5	1	2	1.5	0	0	0	1.5	2.5	1	1.5	2.5	3.5	1.5	29	16	8
Existing Agricultural Disturbance (ft.)	6300	0	0	0	0	0	0	0	2000	3300	9600	0	2300	0	400	3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Agricultural Disturbance (acres)	14	0	0	0	0	0	0	0	4.5	7.5	22.5	0	5.5	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Agricultural Disturbance (ft.)	6300	4600	900	0	200	0	500	300	2000	3300	9600	1100	2300	2300	3000	3000	800	700	0	0	0	400	700	300	300	800	900	600	11200	5500	2600
Total Agricultural Disturbance (acres)	16.5	12	3	0	0.5	0	1.5	1	5	8.5	27	4	6.5	6.5	8.5	8	2	1.5	0	0	0	1.5	2.5	1	1.5	2.5	3.5	1.5	29	16	8
New Forested Wetlands (ft.)	0	2100	1100	300	0	0	1100	1400	0	0	0	500	0	0	0	0	0	0	200	0	2700	2300	400	300	4200	4500	0	100	4500	800	700
New Forested Wetlands (acres)	1	6.5	4	1	0	0	4	4.5	0	0.5	0	1.5	0	0	0	0	0	0	1	0	9.5	8.5	1.5	1	14.5	15	0	1	15	2.5	2
Existing Forested Wetlands (ft.)	2700	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Forested Wetlands (acres)	6.5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Non-forested Wetland (ft.)	0	5500	1700	0	0	0	1800	1200	0	0	0	0	0	0	5400	0	300	200	300	0	3600	3700	0	0	0	1400	0	0	4200	800	3000
New Non-forested Wetland (acres)	2.5	14.5	6	0	0	0	5	4.5	0	0.5	0	0.5	0	0	14.5	2	0.5	0.5	1	0	12.5	12	0	0	0	5	0	0	11.5	2.5	9
Existing Non-forested Wetland (ft.)	5900	0	0	0	0	0	0	0	100	1300	0	0	0	0	1400	6800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Non-forested Wetland (acres)	13.5	0	0	0	0	0	0	0	0.5	3	0	0	0	0	3	15.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Wetland (ft.)	8600	7600	2800	300	0	0	2900	2600	100	1800	0	500	0	0	6800	6800	300	200	500	0	6300	6000	400	300	4200	5900	0	100	8700	1600	3700
Total Wetland (acres)	23.5	21	10	1	0	0	9	9	0.5	5	0	2	0	0	17.5	17.5	0.5	0.5	2	0	22	20.5	1.5	1	14.5	20	0	1	26.5	5	11
New Upland Forest (ft.)	0	11100	12700	12600	10900	500	21600	7400	0	0	0	3000	1500	6300	7000	0	1300	10900	700	1600	14000	45600	4800	11600	14000	3700	2600	23300	16300	9000	1000
New Upland Forest (acres)	5	30	44	43.5	33	1.5	71.5	23.5	0	1.5	3	10.5	6	17.5	18	2.5	2.5	24.5	2.5	5.5	47	157.5	16	40	47.5	13	9	67.5	50	28	3.5
Existing Upland Forest (ft.)	9400	0	0	0	0	0	0	0	700	5600	7200	0	4800	0	700	7700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Upland Forest (acres)	21.5	0	0	0	0	0	0	0	1.5	13	16	0	11	0	1.5	17.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Upland Forest (ft.)	9400	11100	12700	12600	10900	500	21600	7400	700	5600	7200	3000	6300	6300	7700	7700	1300	10900	700	1600	14000	45600	4800	11600	14000	3700	2600	23300	16300	9000	1000
Total Upland Forest (acres)	26.5	30	44	43.5	33	1.5	71.5	23.5	1.5	14.5	19	10.5	17	17.5	19.5	20	2.5	24.5	2.5	5.5	47	157.5	16	40	47.5	13	9	67.5	50	28	3.5
State Lands (ft.)	2600	2600	0	0	0	0	0	0	0	1000	0	0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	0	0	0
County Forest Lands (ft.)	0	0	7200	1300	0	0	0	0	0	0	0	0	600	600	6300	6300	0	0	800	1600	14000	50100	0	0	7000	10600	0	0	0	0	0
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1300	0	0	0	700	2500	0	0
Total Public Lands (ft.)	2600	2600	7200	1300	0	0	0	0	0	1000	0	0	600	600	6300	6300	0	2100	800	1600	14000	50100	0	1300	7000	10600	0	700	2500	0	0
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	1	0	0	0	0	0

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-11
Arrowhead to Weston
Route 3.2 Summary

VARIABLE / ROUTE SEGMENT	378	382	384	395	396	397x	3.2(1) Dbl-ckt Total	3.2(2) Parallel Total
Total Length (ft.)	14500	11900	31100	9400	11300	5500	523900	523800
New Right of Way (ft.)	14500	11900	31100	9400	11300	0	433900	484200
New Right of Way (acres)	44	38	100.5	32.5	39	0	1404.5	1517.5
Existing Right of Way (ft.) - Double circuit	0	0	0	0	0	5500	90000	39600
Existing Right of Way (acres) - Double circuit	0	0	0	0	0	15	208.5	93
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	50300
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	86200	86200
Parallel to Railroads (ft.)	0	0	0	0	0	5500	32100	22100
Parallel to Pipelines (ft.)	14500	6900	14800	0	0	0	101300	94100
Right of Way Sharing (%)	12	7	6	0	0	100	21	15
Homes 0-100 ft. from Centerline	0	0	0	0	0	1	7	7
Homes 100-300 ft. from Centerline	2	0	1	0	0	13	45	44
Existing Residential Zones (ft.)	0	0	2300	0	0	0	56900	56900
Commercial/Industrial Zones (ft.)	0	700	0	0	0	0	6500	6500
Conservancy/Recreational Zones (ft.)	0	0	7400	0	0	0	15300	15300
Agricultural Zones (ft.)	6600	9200	17700	0	0	0	149900	149900
New Agricultural Disturbance (ft.)	8900	2500	8600	1500	400	0	49700	59200
New Agricultural Disturbance (acres)	26	8.5	28	5	2	0	160.5	182
Existing Agricultural Disturbance (ft.)	0	0	0	0	0	2600	29100	17900
Existing Agricultural Disturbance (acres)	0	0	0	0	0	7	68	42.5
Total Agricultural Disturbance (ft.)	8900	2500	8600	1500	400	2600	78800	77100
Total Agricultural Disturbance (acres)	26	8.5	28	5	2	7	228.5	224.5
New Forested Wetlands (ft.)	800	0	3100	4600	4700	0	38300	40400
New Forested Wetlands (acres)	2.5	0	10	16	16	0	132.5	138
Existing Forested Wetlands (ft.)	0	0	0	0	0	0	3200	500
Existing Forested Wetlands (acres)	0	0	0	0	0	0	7.5	1
New Non-forested Wetland (ft.)	200	0	2200	200	0	0	24800	35700
New Non-forested Wetland (acres)	0.5	0	7.5	0.5	0	0	84	108.5
Existing Non-forested Wetland (ft.)	0	0	0	0	0	0	14100	2800
Existing Non-forested Wetland (acres)	0	0	0	0	0	0	32.5	6.5
Total Wetland (ft.)	1000	0	5300	4800	4700	0	80400	79400
Total Wetland (acres)	3	0	17.5	16.5	16	0	256.5	254
New Upland Forest (ft.)	4400	9400	13800	1500	3300	0	263000	285900
New Upland Forest (acres)	13.5	29.5	44	5.5	11.5	0	863.5	915.5
Existing Upland Forest (ft.)	0	0	0	0	0	1100	36500	15300
Existing Upland Forest (acres)	0	0	0	0	0	3.5	84	35.5
Total Upland Forest (ft.)	4400	9400	13800	1500	3300	1100	299500	301200
Total Upland Forest (acres)	13.5	29.5	44	5.5	11.5	3.5	947.5	951
State Lands (ft.)	0	0	0	0	0	0	5700	5700
County Forest Lands (ft.)	0	0	2300	5600	2300	0	109700	109700
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	4500	4500
Total Public Lands (ft.)	0	0	2300	5600	2300	0	119900	119900
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	1	1
Existing River Crossings (no.)	1	0	0	0	0	1	6	6
New River Crossings (no.)	0	0	2	1	1	0	9	9

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

(1) = Option maximizing double-circuit construction, with H-frame design for segments with all new right-of-way.
(2) = Option maximizing parallel construction using H-frame structures.

Figure A12-12
Tripoli to Rhinelander
Route 4.1 Summary

VARIABLE / ROUTE SEGMENT	401x	402x	405x	409x	415z*	473'	474'	36v	476	108bv	TOTAL
Total Length (ft.)	3000	3800	12100	5400	73900	17700	68200	7400	4800	20700	217000
New Right of Way (ft.)	0	0	0	0	73900	17700	68200	7400	4800	20700	192700
New Right of Way (acres)	0	0	0	0	88	21	99	13.5	6	38	265.5
Existing Right of Way (ft.) - Double circuit	3000	3800	12100	5400	0	0	0	0	0	0	24300
Existing Right of Way (acres) - Double circuit	5.5	7	16.5	10	0	0	0	0	0	0	39
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	36800	0	0	0	0	0	36800
Parallel to Road Right of Way (ft.)	0	0	6600	0	21600	13600	31000	0	3600	0	76400
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0
Parallel to Pipelines (ft.)	0	0	0	0	0	0	0	0	0	0	0
Right of Way Sharing (%)	100	100	100	100	35	36	21	0	35	0	33
Homes 0-100 ft. from Centerline	0	0	3	0	2	5	12	0	1	0	23
Homes 100-300 ft. from Centerline	1	2	4	0	31	12	22	0	1	1	74
Existing Residential Zones (ft.)	1200	0	2400	0	0	8900	30100	0	0	0	42600
Commercial/Industrial Zones (ft.)	600	0	0	0	4000	5500	1100	0	0	0	11200
Conservancy/Recreational Zones (ft.)	0	2500	0	0	24300	0	10800	0	0	0	37600
Agricultural Zones (ft.)	0	0	0	0	8400	0	4500	0	0	20700	33600
New Agricultural Disturbance (ft.)	0	0	0	0	4500	600	4200	2000	2300	1000	14600
New Agricultural Disturbance (acres)	0	0	0	0	4	0.5	6.5	3.5	3	1.5	19
Existing Agricultural Disturbance (ft.)	800	500	1000	500	0	0	0	0	0	0	2800
Existing Agricultural Disturbance (acres)	1.5	1	1.5	1	0	0	0	0	0	0	5
Total Agricultural Disturbance (ft.)	800	500	1000	500	4500	600	4200	2000	2300	1000	17400
Total Agricultural Disturbance (acres)	1.5	1	1.5	1	4	0.5	6.5	3.5	3	1.5	24
New Forested Wetlands (ft.)	0	0	0	0	7500	2100	5000	500	1300	5000	21400
New Forested Wetlands (acres)	0	0	0	0	11	3	7	1	1.5	9	32.5
Existing Forested Wetlands (ft.)	0	0	700	0	0	0	0	0	0	0	700
Existing Forested Wetlands (acres)	0	0	1.5	0	0	0	0	0	0	0	1.5
New Non-forested Wetland (ft.)	0	0	0	0	1400	3000	7300	600	0	2000	14300
New Non-forested Wetland (acres)	0	0	0	0	1.5	3.5	11.5	1	0	3.5	21
Existing Non-forested Wetland (ft.)	0	1400	500	500	0	0	0	0	0	0	2400
Existing Non-forested Wetland (acres)	0	2.5	1	1	0	0	0	0	0	0	4.5
Total Wetland (ft.)	0	1400	1200	500	8900	5100	12300	1100	1300	7000	38800
Total Wetland (acres)	0	2.5	2.5	1	12.5	6.5	18.5	2	1.5	12.5	59.5
New Upland Forest (ft.)	0	0	0	0	42100	3400	37400	3700	700	11700	99000
New Upland Forest (acres)	0	0	0	0	51	5	57.5	6.5	1	21.5	142.5
Existing Upland Forest (ft.)	600	1800	5600	4400	0	0	0	0	0	0	12400
Existing Upland Forest (acres)	1	3.5	8	8	0	0	0	0	0	0	20.5
Total Upland Forest (ft.)	600	1800	5600	4400	42100	3400	37400	3700	700	11700	111400
Total Upland Forest (acres)	1	3.5	8	8	51	5	57.5	6.5	1	21.5	163
State Lands (ft.)	0	0	0	0	4800	0	0	0	0	0	4800
County Forest Lands (ft.)	0	0	0	0	16900	0	30300	3000	0	0	50200
Other County or Municipal Lands (ft.)	0	1300	0	0	0	0	0	0	0	0	1300
Total Public Lands (ft.)	0	1300	0	0	21700	0	30300	3000	0	0	56300
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	1	1	1	0	0	0	4
New River Crossings (no.)	0	0	0	0	0	0	1	0	0	0	1

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-13
Tripoli to Rhinelander
Route 4.2 Summary

VARIABLE / ROUTE SEGMENT	401x	402x	405x	409x	410	411	412	414	424a	424b	427	429b	433a'	433d	435	438	487	444	449	450	451	455	457	458	462	467	469	482	TOTAL
Total Length (ft.)	3000	3800	12100	5400	14600	10700	8300	12800	4500	11400	4100	500	5500	11400	6600	35400	4200	14500	1100	7100	3300	3200	2800	4600	1100	3500	17600	14700	227800
New Right of Way (ft.)	0	0	0	0	14600	10700	8300	12800	4500	11400	4100	500	5500	11400	6600	35400	4200	14500	1100	7100	3300	3200	2800	4600	1100	3500	17600	14700	203500
New Right of Way (acres)	0	0	0	0	14.5	15	15	12.5	4.5	11	4	0.5	7	11	6.5	35	4	14.5	2	11.5	5.5	5	3	4.5	1	3.5	17.5	14.5	223
Existing Right of Way (ft.) - Double circuit	3000	3800	12100	5400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24300
Existing Right of Way (acres) - Double circuit	5.5	7	16.5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	6600	0	14600	0	6900	12800	4500	11400	4100	500	3600	11400	6600	35400	4200	14500	0	0	0	0	2800	4600	1100	3500	17600	14700	181400
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7100	3400	3200	0	0	0	0	0	0	13700
Parallel to Pipelines (ft.)	0	0	0	0	0	8200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8200
Right of Way Sharing (%)	100	100	100	100	46	24	0	46	46	46	46	46	30	46	46	46	46	46	0	13	13	13	46	46	46	46	46	46	46
Homes 0-100 ft. from Centerline	0	0	3	0	3	0	0	0	0	3	0	0	0	0	1	4	0	2	0	0	0	1	2	0	1	0	1	2	23
Homes 100-300 ft. from Centerline	1	2	4	0	9	6	3	14	2	7	0	0	1	5	4	10	1	6	0	1	0	2	1	2	1	3	11	6	102
Existing Residential Zones (ft.)	1200	0	2400	0	0	0	1300	7900	2900	7400	0	0	1100	0	0	0	0	0	1100	2100	2100	0	0	0	0	0	200	0	29700
Commercial/Industrial Zones (ft.)	600	0	0	0	0	0	0	0	0	0	0	0	0	1300	0	0	500	0	0	4200	1200	3200	0	0	0	0	1100	0	12100
Conservancy/Recreational Zones (ft.)	0	2500	0	0	0	0	0	0	0	0	0	0	4000	6900	6600	11400	0	0	0	0	0	0	0	0	0	0	0	0	31400
Agricultural Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	3200	0	1100	3200	0	0	0	0	0	0	0	0	3500	15800	14700	41500
New Agricultural Disturbance (ft.)	0	0	0	0	5100	300	0	100	100	0	0	0	0	0	1500	3000	100	2200	0	700	0	0	100	1400	0	900	4200	5300	25000
New Agricultural Disturbance (acres)	0	0	0	0	5	0.5	0	0	0	0	0	0	0	0	1.5	3	0	2	0	1	0	0	0	1.5	0	1	4	5	24.5
Existing Agricultural Disturbance (ft.)	800	500	1000	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2800
Existing Agricultural Disturbance (acres)	1.5	1	1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total Agricultural Disturbance (ft.)	800	500	1000	500	5100	300	0	100	100	0	0	0	0	0	1500	3000	100	2200	0	700	0	0	100	1400	0	900	4200	5300	27800
Total Agricultural Disturbance (acres)	1.5	1	1.5	1	5	0.5	0	0	0	0	0	0	0	0	1.5	3	0	2	0	1	0	0	0	1.5	0	1	4	5	29.5
New Forested Wetlands (ft.)	0	0	0	0	2900	0	0	1200	1700	0	1400	0	0	0	100	11000	1200	1800	0	1300	0	1000	0	0	600	0	3000	2900	30100
New Forested Wetlands (acres)	0	0	0	0	3	0	0	1	1.5	0	1.5	0	0	0	0	10.5	1	2	0	2	0	1.5	0	0	0.5	0	3	3	30.5
Existing Forested Wetlands (ft.)	0	0	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700
Existing Forested Wetlands (acres)	0	0	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
New Non-forested Wetland (ft.)	0	0	0	0	0	500	0	0	0	700	0	0	1600	0	0	3100	0	1000	0	0	600	100	0	0	0	0	0	300	7900
New Non-forested Wetland (acres)	0	0	0	0	0	0.5	0	0	0	0.5	0	0	1.5	0	0	3.5	0	1	0	0	1	0	0	0	0	0	0	0.5	8.5
Existing Non-forested Wetland (ft.)	0	1400	500	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2400
Existing Non-forested Wetland (acres)	0	2.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.5
Total Wetland (ft.)	0	1400	1200	500	2900	500	0	1200	1700	700	1400	0	1600	0	100	14100	1200	2800	0	1300	600	1100	0	0	600	0	3000	3200	41100
Total Wetland (acres)	0	2.5	2.5	1	3	0.5	0	1	1.5	0.5	1.5	0	1.5	0	0	14	1	3	0	2	1	1.5	0	0	0.5	0	3	3.5	45
New Upland Forest (ft.)	0	0	0	0	500	6600	5000	2800	1200	6500	1100	200	2300	3800	2000	8700	800	2800	1000	2300	2500	1600	400	1000	200	1600	8900	5400	69200
New Upland Forest (acres)	0	0	0	0	0.5	9	9	3	1	6.5	1	0.5	3.5	4	2	9.5	1	3.5	2	4	4	2.5	1	1	0.5	2	9	5.5	85.5
Existing Upland Forest (ft.)	600	1800	5600	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12400
Existing Upland Forest (acres)	1	3.5	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.5
Total Upland Forest (ft.)	600	1800	5600	4400	500	6600	5000	2800	1200	6500	1100	200	2300	3800	2000	8700	800	2800	1000	2300	2500	1600	400	1000	200	1600	8900	5400	81600
Total Upland Forest (acres)	1	3.5	8	8	0.5	9	9	3	1	6.5	1	0.5	3.5	4	2	9.5	1	3.5	2	4	4	2.5	1	1	0.5	2	9	5.5	106
State Lands (ft.)	0	0	0	0	0	0	0	0	1600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1600
County Forest Lands (ft.)	0	0	0	0	0	0	0	2200	0	0	0	0	0	0	0	19600	0	0	0	0	0	0	0	0	0	0	0	0	21800
Other County or Municipal Lands (ft.)	0	1300	0	0	0	0	0	0	800	0	0	0	0	0	0	0	0	1300	400	1900	0	0	0	0	0	0	0	700	6400
Total Public Lands (ft.)	0	1300	0	0	0	0	0	2200	2400	0	0	0	0	0	0	19600	0	1300	400	1900	0	0	0	0	0	0	0	700	29800
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1

DEFINITIONS:
a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-14
Tripoli to Rhinelander
Route 4.3 Summary

VARIABLE / ROUTE SEGMENT	401x	402x	405x	409x	410	411	412	414	424a	490	423b	431'	440a	441a	441b	442	475	477	447	450	451	455	457	458	462	471	108bw	TOTAL
Total Length (ft.)	3000	3800	12100	5400	14600	10700	8300	12800	4500	1700	11200	37700	4900	4700	26600	4500	1400	400	15500	7100	3300	3200	2800	4600	1100	18000	20700	244600
New Right of Way (ft.)	0	0	0	0	14600	10700	8300	12800	4500	1700	11200	37700	4900	4700	26600	4500	1400	400	15500	7100	3300	3200	2800	4600	1100	18000	20700	220300
New Right of Way (acres)	0	0	0	0	14.5	15	15	12.5	4.5	3	18	54.5	6	6.5	28.5	4.5	1.5	0.5	25	11.5	5.5	5	3	4.5	1	18	71.5	329.5
Existing Right of Way (ft.) - Double circuit	3000	3800	12100	5400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24300
Existing Right of Way (acres) - Double circuit	5.5	7	16.5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	6600	0	14600	0	6900	12800	4500	0	0	17300	3400	2600	23700	4500	1400	400	0	0	0	0	2800	4600	1100	18000	0	125200
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	10900	200	0	0	0	0	0	0	15500	7100	3400	3200	0	0	0	0	0	40300
Parallel to Pipelines (ft.)	0	0	0	0	0	8200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8200
Right of Way Sharing (%)	100	100	100	100	46	24	0	46	46	0	12	21	32	26	41	46	46	46	13	13	13	13	46	46	46	46	0	34
Homes 0-100 ft. from Centerline	0	0	3	0	3	0	0	0	0	0	2	1	0	0	0	4	1	0	0	0	0	1	2	0	1	2	0	20
Homes 100-300 ft. from Centerline	1	2	4	0	9	6	3	14	2	0	10	7	0	4	6	1	3	0	2	1	0	2	1	2	1	6	1	88
Existing Residential Zones (ft.)	1200	0	2400	0	0	0	1300	7900	2900	1700	6300	14500	2400	4500	26600	4000	0	0	7100	2100	2100	0	0	0	0	0	0	87000
Commercial/Industrial Zones (ft.)	600	0	0	0	0	0	0	0	0	0	0	1800	0	0	0	0	1400	400	7700	4200	1200	3200	0	0	0	0	0	20500
Conservancy/Recreational Zones (ft.)	0	2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2500
Agricultural Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20700	20700
New Agricultural Disturbance (ft.)	0	0	0	0	5100	300	0	100	100	0	0	900	0	300	400	400	0	0	2300	700	0	0	100	1400	0	7900	1000	21000
New Agricultural Disturbance (acres)	0	0	0	0	5	0.5	0	0	0	0	0	1.5	0	0.5	0.5	0.5	0	0	3.5	1	0	0	0	1.5	0	7	3	24.5
Existing Agricultural Disturbance (ft.)	800	500	1000	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2800
Existing Agricultural Disturbance (acres)	1.5	1	1.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total Agricultural Disturbance (ft.)	800	500	1000	500	5100	300	0	100	100	0	0	900	0	300	400	400	0	0	2300	700	0	0	100	1400	0	7900	1000	23800
Total Agricultural Disturbance (acres)	1.5	1	1.5	1	5	0.5	0	0	0	0	0	1.5	0	0.5	0.5	0.5	0	0	3.5	1	0	0	0	1.5	0	7	3	29.5
New Forested Wetlands (ft.)	0	0	0	0	2900	0	0	1200	1700	400	0	1200	1200	500	1300	0	0	0	2000	1300	0	1000	0	0	600	2800	5000	23100
New Forested Wetlands (acres)	0	0	0	0	3	0	0	1	1.5	0.5	0	2	2	0.5	1.5	0	0	0	3	2	0	1.5	0	0	0.5	2.5	17	38.5
Existing Forested Wetlands (ft.)	0	0	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700
Existing Forested Wetlands (acres)	0	0	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5
New Non-forested Wetland (ft.)	0	0	0	0	0	500	0	0	0	500	3400	600	200	300	600	0	0	0	800	0	600	100	0	0	0	0	2000	9600
New Non-forested Wetland (acres)	0	0	0	0	0	0.5	0	0	0	1	5.5	0.5	0.5	0	0.5	0	0	0	1.5	0	1	0	0	0	0	0	6.5	17.5
Existing Non-forested Wetland (ft.)	0	1400	500	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2400
Existing Non-forested Wetland (acres)	0	2.5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.5
Total Wetland (ft.)	0	1400	1200	500	2900	500	0	1200	1700	900	3400	1800	1400	800	1900	0	0	0	2800	1300	600	1100	0	0	600	2800	7000	35800
Total Wetland (acres)	0	2.5	2.5	1	3	0.5	0	1	1.5	1.5	5.5	2.5	2.5	0.5	2	0	0	0	4.5	2	1	1.5	0	0	0.5	2.5	23.5	62
New Upland Forest (ft.)	0	0	0	0	500	6600	5000	2800	1200	700	5400	28800	1300	2300	13500	1900	500	0	7200	2300	2500	1600	400	1000	200	2100	11700	99500
New Upland Forest (acres)	0	0	0	0	0.5	9	9	3	1	1	8.5	43	1.5	4	14.5	2.5	0.5	0	11.5	4	4	2.5	1	1	0.5	3.5	40.5	166.5
Existing Upland Forest (ft.)	600	1800	5600	4400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12400
Existing Upland Forest (acres)	1	3.5	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.5
Total Upland Forest (ft.)	600	1800	5600	4400	500	6600	5000	2800	1200	700	5400	28800	1300	2300	13500	1900	500	0	7200	2300	2500	1600	400	1000	200	2100	11700	111900
Total Upland Forest (acres)	1	3.5	8	8	0.5	9	9	3	1	1	8.5	43	1.5	4	14.5	2.5	0.5	0	11.5	4	4	2.5	1	1	0.5	3.5	40.5	187
State Lands (ft.)	0	0	0	0	0	0	0	0	1600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1600
County Forest Lands (ft.)	0	0	0	0	0	0	0	2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2200
Other County or Municipal Lands (ft.)	0	1300	0	0	0	0	0	0	800	0	0	12000	0	0	0	0	0	400	1300	1900	0	0	0	0	0	0	0	17700
Total Public Lands (ft.)	0	1300	0	0	0	0	0	2200	2400	0	0	12000	0	0	0	0	0	400	1300	1900	0	0	0	0	0	0	0	21500
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	3

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115-kV only
w = 345-kV only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-15
Arrowhead to Weston
Unused Segment Summary

VARIABLE / ROUTE SEGMENT	007b	012	014a	017	026	028	047	107av	107bv	108av	108aw	110w	117	121	126'	129	131	135	136	137	137x	139a	140	141	157	204x	204y	205x
Total Length (ft.)	1000	3400	4300	1200	22800	27900	3100	1100	21200	1000	1000	1300	4100	6000	129600	10300	46800	85900	3100	27400	27400	3000	5800	7600	11900	4700	4700	7100
New Right of Way (ft.)	1000	3400	4300	1200	22800	27900	3100	1100	21200	1000	1000	1300	4100	6000	129600	10300	46800	85900	3100	27400	27400	3000	5800	7600	11900	0	4700	7100
New Right of Way (acres)	3	11.5	14.5	4	78.5	96	11	2	39	2	3.5	4.5	14	21	444.5	35.5	161	295.5	11	94	75.5	10.5	20	26	41	4.5	12.5	17.5
Existing Right of Way (ft.) - Double circuit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4700	0	0
Existing Right of Way (acres) - Double circuit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.5	0	0
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4700	0
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1800	0	0	0	0	0	0	0	0	0	0	0	0	2700
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Pipelines (ft.)	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Right of Way Sharing (%)	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	23	9
Homes 0-100 ft. from Centerline	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Homes 100-300 ft. from Centerline	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1
Existing Residential Zones (ft.)	1000	3400	3800	0	0	0	0	0	0	0	0	0	0	0	0	5100	5300	0	0	0	0	0	0	0	0	0	0	0
Commercial/Industrial Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3600	0	0	2500	0	0	0	0	0	0	0	0	0	700
Agricultural Zones (ft.)	0	0	0	1200	0	5300	3100	0	17600	0	0	1300	4100	6000	74700	5100	11300	55000	1900	9900	9900	400	0	3000	0	4700	0	6400
New Agricultural Disturbance (ft.)	0	0	300	700	7700	2900	0	500	800	500	500	0	0	0	23000	1200	600	20500	200	5100	5100	0	0	700	200	0	4200	5900
New Agricultural Disturbance (acres)	0	0	1	2	27.5	9	0	1	1.5	1	1.5	0	0	0	77.5	3.5	2	69.5	0.5	18	14.5	0	0	2	1	3.5	11	15
Existing Agricultural Disturbance (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000	0	0
Existing Agricultural Disturbance (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.5	0	0
Total Agricultural Disturbance (ft.)	0	0	300	700	7700	2900	0	500	800	500	500	0	0	0	23000	1200	600	20500	200	5100	5100	0	0	700	200	4000	4200	5900
Total Agricultural Disturbance (acres)	0	0	1	2	27.5	9	0	1	1.5	1	1.5	0	0	0	77.5	3.5	2	69.5	0.5	18	14.5	0	0	2	1	11	11	15
New Forested Wetlands (ft.)	1000	200	1000	0	900	1700	1500	0	6600	200	200	200	400	1100	13900	400	14000	12000	100	2300	2300	700	0	400	700	0	0	0
New Forested Wetlands (acres)	3	0.5	3.5	0	3	6	5	0	12	0.5	0.5	1	1.5	4	48.5	1.5	48	41	0.5	8	6.5	2.5	0	1.5	2.5	0	0	0
Existing Forested Wetlands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Forested Wetlands (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Non-forested Wetland (ft.)	0	600	0	500	700	600	700	0	500	0	0	0	1900	1000	13700	1700	6100	12500	500	5400	5400	0	0	600	400	0	300	0
New Non-forested Wetland (acres)	0	2	0	1.5	2.5	2	2	0	1	0	0	0	6	3.5	47.5	6	21	44	1.5	18.5	15	0	0	2	1	0	0.5	0
Existing Non-forested Wetland (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	0
Existing Non-forested Wetland (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0
Total Wetland (ft.)	1000	800	1000	500	1600	2300	2200	0	7100	200	200	200	2300	2100	27600	2100	20100	24500	600	7700	7700	700	0	1000	1100	300	300	0
Total Wetland (acres)	3	2.5	3.5	1.5	5.5	8	7	0	13	0.5	0.5	1	7.5	7.5	96	7.5	69	85	2	26.5	21.5	2.5	0	3.5	3.5	0.5	0.5	0
New Upland Forest (ft.)	0	1600	2900	0	12300	22100	700	600	12200	300	300	1100	1700	3900	72200	5900	21600	38000	2200	14400	14400	2200	5500	5500	9800	0	0	100
New Upland Forest (acres)	0	6	10	0.5	41.5	77.5	2.5	1	22.5	0.5	1	4	6	13	250.5	21	72.5	130.5	7.5	49	39	7.5	19	19	34	0	0	0.5
Existing Upland Forest (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Upland Forest (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Upland Forest (ft.)	0	1600	2900	0	12300	22100	700	600	12200	300	300	1100	1700	3900	72200	5900	21600	38000	2200	14400	14400	2200	5500	5500	9800	0	0	100
Total Upland Forest (acres)	0	6	10	0.5	41.5	77.5	2.5	1	22.5	0.5	1	4	6	13	250.5	21	72.5	130.5	7.5	49	39	7.5	19	19	34	0	0	0.5
State Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
County Forest Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30500	18600	0	4000	4000	0	5300	5600	11000	0	0	0
Other County or Municipal Lands (ft.)	0	0	0	0	600	0	0	0	0	0	0	0	0	0	2200	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Public Lands (ft.)	0	0	0	0	600	0	0	0	0	0	0	0	0	0	2200	0	30500	18600	0	4000	4000	0	5300	5600	11000	0	0	0
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New River Crossings (no.)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115 only
w = 345 only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-16
Arrowhead to Weston
Unused Segment Summary

VARIABLE / ROUTE SEGMENT	207x*	207y*	211	224	238x	238y	310x	310y	314	320x	320y	327	331	332b	342	345w	345x	348	348x	351x	353x	354x	364'	374a	386	403x	404x	407x	413	418
Total Length (ft.)	72100	72400	4900	2000	6700	6700	13700	13800	9400	67000	67100	19800	9200	12700	22600	1700	1700	2700	2700	1500	1600	4300	52700	12300	15400	3900	12100	7300	7200	2900
New Right of Way (ft.)	0	26700	0	2000	1000	6700	0	13800	9400	9600	67100	19800	9200	12700	22600	1700	1700	2700	2700	1500	1600	4300	52700	12300	15400	3900	12100	7300	7200	2900
New Right of Way (acres)	66	112.5	4.5	7	6	18.5	6.5	36.5	28.5	59.5	185	60	31.5	40	76.5	6	4.5	9.5	7.5	4	4.5	12	181	41.5	46.5	4	12	7	10.5	4.5
Existing Right of Way (ft.) - Double circuit	72100	45700	4900	0	5700	0	13700	0	0	57300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Right of Way (acres) - Double circuit	132.5	84	9	0	13	0	31.5	0	0	131.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Existing Line 69kV or Greater (ft.)	0	26700	0	0	0	5700	0	13800	0	0	57500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3900	12100	7300	0	0
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	900	0	0	0	0	0	0
Parallel to Pipelines (ft.)	0	0	0	0	0	0	0	0	9400	0	0	19800	0	9100	2700	0	0	0	0	0	0	0	0	0	15400	0	0	0	5100	1100
Right of Way Sharing (%)	71	55	73	0	71	20	83	23	12	71	20	12	0	9	1	0	0	0	0	0	0	0	0	1	12	46	46	46	22	11
Homes 0-100 ft. from Centerline	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	4	0	0
Homes 100-300 ft. from Centerline	1	1	0	0	0	0	0	0	2	2	3	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	16	7	0	0
Existing Residential Zones (ft.)	3500	3500	0	0	0	0	0	0	0	9400	9400	0	4600	1600	3600	0	0	700	700	700	0	0	4100	0	0	2500	2400	0	0	0
Commercial/Industrial Zones (ft.)	4400	4400	0	0	0	0	0	0	0	1600	1600	0	0	0	0	0	0	1100	1100	400	0	0	0	0	0	0	0	0	0	0
Conservancy/Recreational Zones (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural Zones (ft.)	48800	48800	0	0	4500	4500	3700	3700	7500	23200	23200	0	1900	11100	10400	0	0	0	0	0	0	1400	0	0	15400	0	0	0	0	0
New Agricultural Disturbance (ft.)	0	20400	0	300	500	3900	0	900	2400	2800	16700	400	2800	9900	1300	0	0	200	200	0	0	0	800	100	4900	500	2100	600	0	0
New Agricultural Disturbance (acres)	45.5	79.5	2.5	1	4	11	0.5	3	7.5	19.5	41.5	1.5	9	30.5	4.5	0	0	0.5	0.5	0	0	0	2.5	0.5	14.5	0.5	2	0.5	0	0
Existing Agricultural Disturbance (ft.)	50200	29700	3100	0	3600	0	1200	0	0	25600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Agricultural Disturbance (acres)	92	54	5.5	0	8	0	2.5	0	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Agricultural Disturbance (ft.)	50200	50100	3100	300	4100	3900	1200	900	2400	28400	16700	400	2800	9900	1300	0	0	200	200	0	0	0	800	100	4900	500	2100	600	0	0
Total Agricultural Disturbance (acres)	137.5	133.5	8	1	12	11	3	3	7.5	74.5	41.5	1.5	9	30.5	4.5	0	0	0.5	0.5	0	0	0	2.5	0.5	14.5	0.5	2	0.5	0	0
New Forested Wetlands (ft.)	0	1200	0	100	0	0	0	800	0	0	2600	900	800	0	2500	0	0	900	900	200	0	0	0	5000	1900	1100	0	0	1200	0
New Forested Wetlands (acres)	5	9.5	0.5	0.5	0	0	0.5	2	0	1	7.5	2.5	2.5	0	9	0	0	3.5	2.5	0.5	0	0	0	17	5.5	1	0	0	2	0
Existing Forested Wetlands (ft.)	5200	3800	600	0	0	0	600	0	0	2300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Forested Wetlands (acres)	9	7	1	0	0	0	1.5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Non-forested Wetland (ft.)	0	1100	0	1300	0	500	0	400	0	2700	6600	1000	900	0	3800	0	0	500	500	300	0	600	800	700	4700	200	100	0	400	0
New Non-forested Wetland (acres)	5	5.5	0	4.5	0.5	1	0	2	0	10.5	19	3	2.5	0	13	0	0	2	1.5	1	0	2	2.5	2.5	14	0	0	0	0.5	0
Existing Non-forested Wetland (ft.)	4700	4700	0	0	500	0	500	0	0	3400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Non-forested Wetland (acres)	9.5	8.5	0	0	1.5	0	1	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Wetland (ft.)	9900	10800	600	1400	500	500	1100	1200	0	8400	9200	1900	1700	0	6300	0	0	1400	1400	500	0	600	800	5700	6600	1300	100	0	1600	0
Total Wetland (acres)	28.5	30.5	1.5	5	2	1	3	4	0	24.5	26.5	5.5	5	0	22	0	0	5.5	4	1.5	0	2	2.5	19.5	19.5	1	0	0	2.5	0
New Upland Forest (ft.)	0	3000	0	100	500	2300	0	11600	7000	3900	39300	17400	4500	2800	14500	1700	1700	900	900	700	1600	3600	34900	5800	3400	500	300	4000	5100	2900
New Upland Forest (acres)	8.5	13.5	1.5	0.5	1.5	6	5	29	21	26	111.5	52.5	16	9.5	49	6	4.5	3	2.5	2	4.5	9.5	120	19.5	10.5	0.5	0.5	4	7	4.5
Existing Upland Forest (ft.)	8400	6200	1200	0	1400	0	11200	0	0	24300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Upland Forest (acres)	16	12	2.5	0	3.5	0	26	0	0	59.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Upland Forest (ft.)	8400	9200	1200	100	1900	2300	11200	11600	7000	28200	39300	17400	4500	2800	14500	1700	1700	900	900	700	1600	3600	34900	5800	3400	500	300	4000	5100	2900
Total Upland Forest (acres)	24.5	25.5	4	0.5	5	6	31	29	21	85.5	111.5	52.5	16	9.5	49	6	4.5	3	2.5	2	4.5	9.5	120	19.5	10.5	0.5	0.5	4	7	4.5
State Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1600	1000	0	0	0	0	3400	2900
County Forest Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3800	0	0	800	800	800	1600	400	18500	0	0	0	0	0	0	0
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3300	1400	0	0	0	0
Total Public Lands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3800	0	0	800	800	800	1600	400	20100	1000	3300	1400	0	0	3400	2900
Scenic/Rustic Roads Crossed (no.)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	1	1	1	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DEFINITIONS:

a,b,c,d = Subparts of segments
v = 115 only
w = 345 only
x = Double-circuit
y = Parallel to an existing transmission line, using an H-frame
* = Partially parallel to an existing transmission line
# = A portion of the segment is double-circuit only
' = Segment was adjusted from its original location

Figure A12-17
Arrowhead to Weston
Unused Segment Summary

VARIABLE / ROUTE SEGMENT	420	422	423a	425	428	429a	430	437'	448	456	459	465'	466	468'	470a	470b	472	478	481	483
Total Length (ft.)	3200	31900	5500	5000	3100	700	14800	15000	9400	2700	4700	2400	1000	12500	6800	3600	2600	3200	1100	500
New Right of Way (ft.)	3200	31900	5500	5000	3100	700	14800	15000	9400	2700	4700	2400	1000	12500	6800	3600	2600	3200	1100	500
New Right of Way (acres)	6	50.5	10	5	3	0.5	14.5	22.5	9	2.5	5	4	1	20	11	6.5	2.5	3	1.5	0.5
Existing Right of Way (ft.) - Double circuit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Right of Way (acres) - Double circuit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Existing Line 69kV or Greater (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parallel to Road Right of Way (ft.)	0	0	0	5000	3100	700	14800	2900	9400	2700	3600	0	1000	0	0	0	2600	3200	0	500
Parallel to Railroads (ft.)	0	0	0	0	0	0	0	12100	0	0	1000	2400	0	12500	6800	0	0	0	1100	0
Parallel to Pipelines (ft.)	0	14000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Right of Way Sharing (%)	0	14	0	46	46	46	46	19	46	46	39	12	46	13	13	0	46	46	12	46
Homes 0-100 ft. from Centerline	0	1	0	0	0	0	0	1	2	2	1	0	0	0	3	0	0	0	0	0
Homes 100-300 ft. from Centerline	0	3	0	0	0	0	0	8	5	0	1	1	4	3	2	0	0	1	2	0
Existing Residential Zones (ft.)	0	0	0	1800	0	0	0	0	0	2100	4200	1300	0	2800	4900	0	0	0	0	0
Commercial/Industrial Zones (ft.)	0	0	0	0	0	0	0	0	7900	0	500	0	0	0	0	0	0	0	0	0
Conservancy/Recreational Zones (ft.)	0	12100	0	0	0	300	14700	13200	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural Zones (ft.)	0	10600	0	0	0	0	0	0	0	0	0	1100	0	6000	1900	2100	2600	0	0	0
New Agricultural Disturbance (ft.)	0	400	0	200	0	0	0	500	2100	1000	1400	1100	300	1000	1400	0	600	0	100	400
New Agricultural Disturbance (acres)	0	0.5	0	0	0	0	0	1	2	1	1.5	1.5	0	2	2	0	0.5	0	0	0.5
Existing Agricultural Disturbance (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Agricultural Disturbance (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Agricultural Disturbance (ft.)	0	400	0	200	0	0	0	500	2100	1000	1400	1100	300	1000	1400	0	600	0	100	400
Total Agricultural Disturbance (acres)	0	0.5	0	0	0	0	0	1	2	1	1.5	1.5	0	2	2	0	0.5	0	0	0.5
New Forested Wetlands (ft.)	0	900	2200	1000	900	300	2600	2100	0	0	500	0	0	400	600	0	300	1000	0	100
New Forested Wetlands (acres)	0	1.5	4	1	1	0.5	2.5	3.5	0	0	0.5	0	0	0.5	1	0	0	1	0	0
Existing Forested Wetlands (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Forested Wetlands (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Non-forested Wetland (ft.)	0	1000	1300	0	1000	100	0	5500	0	0	0	0	0	6400	800	700	0	800	0	0
New Non-forested Wetland (acres)	0	2	2.5	0	1	0	0	8.5	0	0	0	0	0	10.5	1.5	1	0	1	0	0
Existing Non-forested Wetland (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Non-forested Wetland (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Wetland (ft.)	0	1900	3500	1000	1900	400	2600	7600	0	0	500	0	0	6800	1400	700	300	1800	0	100
Total Wetland (acres)	0	3.5	6.5	1	2	0.5	2.5	12	0	0	0.5	0	0	11	2.5	1	0	2	0	0
New Upland Forest (ft.)	3200	25400	1500	200	200	200	8000	3300	3800	1700	2700	1300	200	3200	2400	2900	0	1400	1000	0
New Upland Forest (acres)	6	40.5	3	0	0.5	0	8.5	5.5	4	1.5	3.5	2	0.5	5	4	5.5	0	1.5	1.5	0
Existing Upland Forest (ft.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Upland Forest (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Upland Forest (ft.)	3200	25400	1500	200	200	200	8000	3300	3800	1700	2700	1300	200	3200	2400	2900	0	1400	1000	0
Total Upland Forest (acres)	6	40.5	3	0	0.5	0	8.5	5.5	4	1.5	3.5	2	0.5	5	4	5.5	0	1.5	1.5	0
State Lands (ft.)	200	2800	3900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
County Forest Lands (ft.)	0	0	1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other County or Municipal Lands (ft.)	0	0	0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	0
Total Public Lands (ft.)	200	2800	5300	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	0
Scenic/Rustic Roads Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scenic Rivers Crossed (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New River Crossings (no.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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