05-GF-113
(4220)

Xcel Energy

10 E. Doty Street, Suite 511
Madison, WI 53703
Telephone (608) 280-7300
Fax (608) 280-7359

April 27, 2001

Ms. Lynda L. Dorr
Secretary of the Commission
Public Service Commission of Wisconsin
610 North Whitney Way
P.O. Box 7854
Madison, WI 53703-7854

Re: Filing Requirement Per Wis. Admin. Code Ch. PSC 113.0615 4220-GF-100

Dear Ms. Dorr:

On August 1, 2000, Wis. Admin. Code Ch. PSC 113 – Service Rules for Electric Utilities took effect. The revised PSC 113 contains a number of filing requirements including PSC 113.0615. This section states:

> **PSC 113.0615 Inventory of conductors**. Each utility shall maintain an inventory of Copperweld conductor, sizes 6A and smaller that is more than 50 years old (as of January 1, 1998). The inventory shall include the amount of such conductor by size and age and its location as needed in the distribution system. Each utility shall submit its inventory to the public service commission every four years until all of this conductor is retired and removed from service.

Attached to this letter is a copy of Northern States Power Company – Wisconsin's (NSPW's) d/b/a Xcel Energy, inventory of copperweld conductors sizes 6A or smaller that are more than 50 years old.

If you have any specific questions regarding this filing, please contact Brian Amundson, Manager, Area Engineering at 715.839.4645.

Respectfully submitted,

Brian R. Zelenak

Brian R. Zelenak
Manager, Regulatory Policy

c: J. Loock
Internal

Xcel Small Coppwerweld Conductor Report

County	Conductor	Vintage	Quantity
ASHLAND COUNTY			
	6A CW		
		Summary for 'Vintage' = 1940	
		Sum	*67218*
		Summary for 'Vintage' = 1941	
		Sum	*49725*
		Summary for 'Vintage' = 1942	
		Sum	*27206*
		Summary for 'Vintage' = 1944	
		Sum	*17692*
	Summary for 'Conductor' = 6A CW (175 detail records)		
	Sum		*161841*
	8A CW		
		Summary for 'Vintage' = 1940	
		Sum	*9790*
	Summary for 'Conductor' = 8A CW (15 detail records)		
	Sum		*9790*
Summary for 'County' = ASHLAND COUNTY (190 detail records)			
Sum			*171631*
BARRON COUNTY			
	3 Str 10		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1935	
		Sum	*119982*
		Summary for 'Vintage' = 1936	
		Sum	*611*
		Summary for 'Vintage' = 1938	
		Sum	*4360*
		Summary for 'Vintage' = 1944	
		Sum	*1456*
		Summary for 'Vintage' = 1945	
		Sum	*300*
		Summary for 'Vintage' = 1946	
		Sum	*260*
	Summary for 'Conductor' = 3 Str 10 (22 detail records)		
	Sum		*126969*
	6A CW		
		Summary for 'Vintage' = 1935	
		Sum	*304*
		Summary for 'Vintage' = 1936	
		Sum	*8800*
		Summary for 'Vintage' = 1937	
		Sum	*13478*
		Summary for 'Vintage' = 1938	
		Sum	*82626*
		Summary for 'Vintage' = 1939	
		Sum	*12393*
		Summary for 'Vintage' = 1940	
		Sum	*52580*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1941	
		Sum	*26704*
		Summary for 'Vintage' = 1942	
		Sum	*430*
		Summary for 'Vintage' = 1943	
		Sum	*1200*
		Summary for 'Vintage' = 1945	
		Sum	*41156*
		Summary for 'Vintage' = 1946	
		Sum	*65626*
		Summary for 'Vintage' = 1947	
		Sum	*42355*
	Summary for 'Conductor' = 6A CW (102 detail records)		
	Sum		*347652*
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	*18620*
		Summary for 'Vintage' = 1945	
		Sum	*440*
	Summary for 'Conductor' = 6C CW (6 detail records)		
	Sum		*19060*
	8A CW		
		Summary for 'Vintage' = 1939	
		Sum	*17994*
		Summary for 'Vintage' = 1940	
		Sum	*59692*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1943	
		Sum	770
		Summary for 'Vintage' = 1944	
		Sum	36092
		Summary for 'Vintage' = 1945	
		Sum	12620
		Summary for 'Vintage' = 1946	
		Sum	5260
		Summary for 'Vintage' = 1947	
		Sum	13030
	Summary for 'Conductor' = 8A CW (43 detail records)		
	Sum		145458
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	10992
		Summary for 'Vintage' = 1945	
		Sum	23272
	Summary for 'Conductor' = 9A CW (9 detail records)		
	Sum		34264
Summary for 'County' = BARRON COUNTY (182 detail records)			
Sum			673403
BAYFIELD COUNTY			
	6A CW		
		Summary for 'Vintage' = 1940	
		Sum	191633

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1941	
		Sum	*5166*
		Summary for 'Vintage' = 1944	
		Sum	*964*
	Summary for 'Conductor' = 6A CW (225 detail records)		
	Sum		*197763*
	8A CW		
		Summary for 'Vintage' = 1940	
		Sum	*12024*
	Summary for 'Conductor' = 8A CW (20 detail records)		
	Sum		*12024*
Summary for 'County' = BAYFIELD COUNTY (245 detail records)			
Sum			*209787*
BUFFALO COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	*14164*
		Summary for 'Vintage' = 1936	
		Sum	*1130*
		Summary for 'Vintage' = 1941	
		Sum	*74*
	Summary for 'Conductor' = 3 Str 10 (8 detail records)		
	Sum		*15368*
	6A CW		
		Summary for 'Vintage' = 1930	
		Sum	*3589*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1935	
		Sum	*76*
		Summary for 'Vintage' = 1936	
		Sum	*55950*
		Summary for 'Vintage' = 1937	
		Sum	*31070*
		Summary for 'Vintage' = 1938	
		Sum	*34648*
		Summary for 'Vintage' = 1939	
		Sum	*26076*
		Summary for 'Vintage' = 1940	
		Sum	*9863*
		Summary for 'Vintage' = 1941	
		Sum	*7033*
		Summary for 'Vintage' = 1943	
		Sum	*1434*
		Summary for 'Vintage' = 1944	
		Sum	*808*
		Summary for 'Vintage' = 1945	
		Sum	*4372*
		Summary for 'Vintage' = 1946	
		Sum	*6226*
		Summary for 'Vintage' = 1947	
		Sum	*4588*
	Summary for 'Conductor' = 6A CW (54 detail records)		
	Sum		*185733*
	8A CW		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1940	
		Sum	*4776*
		Summary for 'Vintage' = 1941	
		Sum	*8282*
		Summary for 'Vintage' = 1943	
		Sum	*220*
		Summary for 'Vintage' = 1947	
		Sum	*14888*
	Summary for 'Conductor' = 8A CW (10 detail records)		
	Sum		*28166*
	9A CW		
		Summary for 'Vintage' = 1941	
		Sum	*4860*
		Summary for 'Vintage' = 1942	
		Sum	*200*
		Summary for 'Vintage' = 1944	
		Sum	*5318*
	Summary for 'Conductor' = 9A CW (3 detail records)		
	Sum		*10378*
Summary for 'County' = BUFFALO COUNTY (75 detail records)			
Sum			*239645*
CHIPPEWA COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	*137679*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1936	
		Sum	*1782*
		Summary for 'Vintage' = 1937	
		Sum	*3771*
		Summary for 'Vintage' = 1939	
		Sum	*263*
	Summary for 'Conductor' = 3 Str 10 (17 detail records)		
	Sum		*143495*
	6A CW		
		Summary for 'Vintage' = 1935	
		Sum	*340*
		Summary for 'Vintage' = 1936	
		Sum	*49590*
		Summary for 'Vintage' = 1937	
		Sum	*67178*
		Summary for 'Vintage' = 1938	
		Sum	*235515*
		Summary for 'Vintage' = 1939	
		Sum	*123164*
		Summary for 'Vintage' = 1940	
		Sum	*83846*
		Summary for 'Vintage' = 1941	
		Sum	*108555*
		Summary for 'Vintage' = 1943	
		Sum	*12680*
		Summary for 'Vintage' = 1944	
		Sum	*38699*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1945	
		Sum	126058
		Summary for 'Vintage' = 1946	
		Sum	104772
		Summary for 'Vintage' = 1947	
		Sum	90872
	Summary for 'Conductor' = 6A CW (287 detail records)		
	Sum		1041269
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	118634
	Summary for 'Conductor' = 6C CW (22 detail records)		
	Sum		118634
	8A CW		
		Summary for 'Vintage' = 1937	
		Sum	9920
		Summary for 'Vintage' = 1939	
		Sum	27026
		Summary for 'Vintage' = 1940	
		Sum	9674
		Summary for 'Vintage' = 1941	
		Sum	260
		Summary for 'Vintage' = 1943	
		Sum	12024
		Summary for 'Vintage' = 1944	
		Sum	10868

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1945	
		Sum	5164
		Summary for 'Vintage' = 1946	
		Sum	1716
	Summary for 'Conductor' = 8A CW (20 detail records)		
	Sum		76652
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	51936
		Summary for 'Vintage' = 1945	
		Sum	5480
	Summary for 'Conductor' = 9A CW (10 detail records)		
	Sum		57416
Summary for 'County' = CHIPPEWA COUNTY (356 detail records)			
Sum			1437466
CLARK COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	260692
		Summary for 'Vintage' = 1938	
		Sum	130
		Summary for 'Vintage' = 1940	
		Sum	50
		Summary for 'Vintage' = 1943	
		Sum	220

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1944	
		Sum	1530
	Summary for 'Conductor' = 3 Str 10 (31 detail records)		
	Sum		262622
	6A CW		
		Summary for 'Vintage' = 1929	
		Sum	72
		Summary for 'Vintage' = 1936	
		Sum	109035
		Summary for 'Vintage' = 1937	
		Sum	17920
		Summary for 'Vintage' = 1938	
		Sum	81480
		Summary for 'Vintage' = 1939	
		Sum	2746
		Summary for 'Vintage' = 1940	
		Sum	22532
		Summary for 'Vintage' = 1941	
		Sum	39154
		Summary for 'Vintage' = 1942	
		Sum	4113
		Summary for 'Vintage' = 1943	
		Sum	1716
		Summary for 'Vintage' = 1944	
		Sum	15710
		Summary for 'Vintage' = 1945	
		Sum	144407

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1946	
		Sum	138863
		Summary for 'Vintage' = 1947	
		Sum	184767
	Summary for 'Conductor' = 6A CW (187 detail records)		
	Sum		762515
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	41406
		Summary for 'Vintage' = 1945	
		Sum	44440
	Summary for 'Conductor' = 6C CW (16 detail records)		
	Sum		85846
	8A CW		
		Summary for 'Vintage' = 1937	
		Sum	2510
		Summary for 'Vintage' = 1940	
		Sum	24420
		Summary for 'Vintage' = 1941	
		Sum	9331
		Summary for 'Vintage' = 1943	
		Sum	1340
		Summary for 'Vintage' = 1944	
		Sum	2640
		Summary for 'Vintage' = 1945	
		Sum	550

County	Conductor	Vintage	Quantity
	Summary for 'Conductor' = 8A CW (15 detail records)		
	Sum		40791
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	18336
		Summary for 'Vintage' = 1946	
		Sum	42172
	Summary for 'Conductor' = 9A CW (11 detail records)		
	Sum		60508
Summary for 'County' = CLARK COUNTY (260 detail records)			
Sum			1212282
DUNN COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	69625
		Summary for 'Vintage' = 1936	
		Sum	688
		Summary for 'Vintage' = 1938	
		Sum	14
		Summary for 'Vintage' = 1939	
		Sum	8997
	Summary for 'Conductor' = 3 Str 10 (14 detail records)		
	Sum		79324
	6A CW		
		Summary for 'Vintage' = 1936	
		Sum	17364

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1937	
		Sum	36231
		Summary for 'Vintage' = 1938	
		Sum	24430
		Summary for 'Vintage' = 1939	
		Sum	164176
		Summary for 'Vintage' = 1940	
		Sum	32898
		Summary for 'Vintage' = 1941	
		Sum	54676
		Summary for 'Vintage' = 1943	
		Sum	5042
		Summary for 'Vintage' = 1944	
		Sum	10674
		Summary for 'Vintage' = 1945	
		Sum	71256
		Summary for 'Vintage' = 1946	
		Sum	37658
		Summary for 'Vintage' = 1947	
		Sum	46243
	Summary for 'Conductor' = 6A CW (124 detail records)		
	Sum		500648
	6C CW		
		Summary for 'Vintage' = 1943	
		Sum	486
		Summary for 'Vintage' = 1945	
		Sum	26452

County	Conductor	Vintage	Quantity
	Summary for 'Conductor' = 6C CW (14 detail records)		
	Sum		26938
	8A CW		
		Summary for 'Vintage' = 1939	
		Sum	8400
		Summary for 'Vintage' = 1940	
		Sum	15048
		Summary for 'Vintage' = 1941	
		Sum	49680
		Summary for 'Vintage' = 1944	
		Sum	13072
		Summary for 'Vintage' = 1945	
		Sum	560
		Summary for 'Vintage' = 1946	
		Sum	2480
		Summary for 'Vintage' = 1947	
		Sum	600
	Summary for 'Conductor' = 8A CW (26 detail records)		
	Sum		89840
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	8376
	Summary for 'Conductor' = 9A CW (2 detail records)		
	Sum		8376
Summary for 'County' = DUNN COUNTY (180 detail records)			
Sum			705126

County	Conductor	Vintage	Quantity
EAU CLAIRE COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	*64971*
		Summary for 'Vintage' = 1939	
		Sum	*374*
		Summary for 'Vintage' = 1940	
		Sum	*509*
		Summary for 'Vintage' = 1941	
		Sum	*1435*
		Summary for 'Vintage' = 1944	
		Sum	*348*
	Summary for 'Conductor' = 3 Str 10 (13 detail records)		
	Sum		*67637*
	6A CW		
		Summary for 'Vintage' = 1935	
		Sum	*130*
		Summary for 'Vintage' = 1936	
		Sum	*4274*
		Summary for 'Vintage' = 1937	
		Sum	*40259*
		Summary for 'Vintage' = 1938	
		Sum	*25706*
		Summary for 'Vintage' = 1939	
		Sum	*50124*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1940	
		Sum	*22418*
		Summary for 'Vintage' = 1941	
		Sum	*7079*
		Summary for 'Vintage' = 1944	
		Sum	*594*
		Summary for 'Vintage' = 1945	
		Sum	*53591*
		Summary for 'Vintage' = 1946	
		Sum	*20722*
		Summary for 'Vintage' = 1947	
		Sum	*34059*
	Summary for 'Conductor' = 6A CW (105 detail records)		
	Sum		*258956*
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	*30178*
	Summary for 'Conductor' = 6C CW (7 detail records)		
	Sum		*30178*
	8A CW		
		Summary for 'Vintage' = 1939	
		Sum	*7564*
		Summary for 'Vintage' = 1940	
		Sum	*4890*
		Summary for 'Vintage' = 1941	
		Sum	*5322*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1945	
		Sum	1686
	Summary for 'Conductor' = 8A CW (9 detail records)		
	Sum		19462
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	8508
		Summary for 'Vintage' = 1945	
		Sum	2200
	Summary for 'Conductor' = 9A CW (3 detail records)		
	Sum		10708
Summary for 'County' = EAU CLAIRE COUNTY (137 detail records)			
Sum			386941
IRON COUNTY			
	6A CW		
		Summary for 'Vintage' = 1940	
		Sum	700
		Summary for 'Vintage' = 1941	
		Sum	151821
		Summary for 'Vintage' = 1942	
		Sum	137381
		Summary for 'Vintage' = 1943	
		Sum	9220
		Summary for 'Vintage' = 1945	
		Sum	350

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1946	
		Sum	79701
		Summary for 'Vintage' = 1947	
		Sum	1690
	Summary for 'Conductor' = 6A CW (391 detail records)		
	Sum		380863
Summary for 'County' = IRON COUNTY (391 detail records)			
Sum			380863
JACKSON COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	3520
		Summary for 'Vintage' = 1937	
		Sum	150
		Summary for 'Vintage' = 1942	
		Sum	620
		Summary for 'Vintage' = 1943	
		Sum	330
		Summary for 'Vintage' = 1944	
		Sum	536
		Summary for 'Vintage' = 1947	
		Sum	220
	Summary for 'Conductor' = 3 Str 10 (8 detail records)		
	Sum		5376
	6A CW		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1935	
		Sum	644
		Summary for 'Vintage' = 1936	
		Sum	7904
		Summary for 'Vintage' = 1937	
		Sum	1724
		Summary for 'Vintage' = 1938	
		Sum	3612
		Summary for 'Vintage' = 1939	
		Sum	6371
		Summary for 'Vintage' = 1940	
		Sum	4860
		Summary for 'Vintage' = 1942	
		Sum	1327
		Summary for 'Vintage' = 1943	
		Sum	1076
		Summary for 'Vintage' = 1944	
		Sum	906
		Summary for 'Vintage' = 1945	
		Sum	3942
		Summary for 'Vintage' = 1946	
		Sum	22450
		Summary for 'Vintage' = 1947	
		Sum	74027
	Summary for 'Conductor' = 6A CW (36 detail records)		
	Sum		128843
	6C CW		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1944	
		Sum	4692
	Summary for 'Conductor' = 6C CW (2 detail records)		
	Sum		4692
	8A CW		
		Summary for 'Vintage' = 1940	
		Sum	3728
		Summary for 'Vintage' = 1941	
		Sum	5312
	Summary for 'Conductor' = 8A CW (3 detail records)		
	Sum		9040
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	18700
		Summary for 'Vintage' = 1945	
		Sum	9622
	Summary for 'Conductor' = 9A CW (12 detail records)		
	Sum		28322
Summary for 'County' = JACKSON COUNTY (61 detail records)			
Sum			176273
LA CROSSE COUNTY			
	1/4 in. 7 Strd		
		Summary for 'Vintage' = 1935	
		Sum	747
		Summary for 'Vintage' = 1946	
		Sum	103

County	Conductor	Vintage	Quantity
	Summary for 'Conductor' = 1/4 in. 7 Strd (3 detail records)		
	Sum		*850*
	3 Str 10		
		Summary for 'Vintage' = 1927	
		Sum	*6428*
		Summary for 'Vintage' = 1935	
		Sum	*38419*
		Summary for 'Vintage' = 1936	
		Sum	*2756*
		Summary for 'Vintage' = 1937	
		Sum	*2568*
		Summary for 'Vintage' = 1938	
		Sum	*410*
		Summary for 'Vintage' = 1940	
		Sum	*1180*
		Summary for 'Vintage' = 1941	
		Sum	*1914*
		Summary for 'Vintage' = 1942	
		Sum	*884*
		Summary for 'Vintage' = 1943	
		Sum	*14200*
		Summary for 'Vintage' = 1945	
		Sum	*2056*
		Summary for 'Vintage' = 1946	
		Sum	*1588*
		Summary for 'Vintage' = 1947	
		Sum	*591*

County	Conductor	Vintage	Quantity
	Summary for 'Conductor' = 3 Str 10 (25 detail records)		
	Sum		72994
	6A CW		
		Summary for 'Vintage' = 1930	
		Sum	784
		Summary for 'Vintage' = 1932	
		Sum	112
		Summary for 'Vintage' = 1935	
		Sum	2255
		Summary for 'Vintage' = 1937	
		Sum	12584
		Summary for 'Vintage' = 1938	
		Sum	669
		Summary for 'Vintage' = 1939	
		Sum	2183
		Summary for 'Vintage' = 1940	
		Sum	3687
		Summary for 'Vintage' = 1941	
		Sum	5908
		Summary for 'Vintage' = 1942	
		Sum	600
		Summary for 'Vintage' = 1943	
		Sum	1455
		Summary for 'Vintage' = 1944	
		Sum	12116
		Summary for 'Vintage' = 1945	
		Sum	13612

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1946	
		Sum	11384
		Summary for 'Vintage' = 1947	
		Sum	19819
	Summary for 'Conductor' = 6A CW (57 detail records)		
	Sum		87168
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	2018
	Summary for 'Conductor' = 6C CW (2 detail records)		
	Sum		2018
	8A CW		
		Summary for 'Vintage' = 1933	
		Sum	2096
		Summary for 'Vintage' = 1935	
		Sum	2590
		Summary for 'Vintage' = 1938	
		Sum	20472
		Summary for 'Vintage' = 1939	
		Sum	10944
		Summary for 'Vintage' = 1940	
		Sum	334
		Summary for 'Vintage' = 1943	
		Sum	5586
		Summary for 'Vintage' = 1944	
		Sum	34230

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1945	
		Sum	*42470*
		Summary for 'Vintage' = 1946	
		Sum	*8440*
	Summary for 'Conductor' = 8A CW (46 detail records)		
	Sum		*127162*
Summary for 'County' = LA CROSSE COUNTY (133 detail records)			
Sum			*290192*
LINCOLN COUNTY			
	6A CW		
		Summary for 'Vintage' = 1941	
		Sum	*592*
	Summary for 'Conductor' = 6A CW (1 detail record)		
	Sum		*592*
Summary for 'County' = LINCOLN COUNTY (1 detail record)			
Sum			*592*
MARATHON COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	*45678*
		Summary for 'Vintage' = 1941	
		Sum	*130*
	Summary for 'Conductor' = 3 Str 10 (7 detail records)		
	Sum		*45808*
	6A CW		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1936	
		Sum	*32073*
		Summary for 'Vintage' = 1937	
		Sum	*113172*
		Summary for 'Vintage' = 1938	
		Sum	*73768*
		Summary for 'Vintage' = 1939	
		Sum	*35894*
		Summary for 'Vintage' = 1940	
		Sum	*38818*
		Summary for 'Vintage' = 1941	
		Sum	*80420*
		Summary for 'Vintage' = 1943	
		Sum	*1800*
		Summary for 'Vintage' = 1944	
		Sum	*1140*
		Summary for 'Vintage' = 1945	
		Sum	*38098*
		Summary for 'Vintage' = 1946	
		Sum	*28662*
		Summary for 'Vintage' = 1947	
		Sum	*56708*
	Summary for 'Conductor' = 6A CW (103 detail records)		
	Sum		*500553*
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	*38414*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1945	
		Sum	477
	Summary for 'Conductor' = 6C CW (5 detail records)		
	Sum		38891
	8A CW		
		Summary for 'Vintage' = 1944	
		Sum	620
	Summary for 'Conductor' = 8A CW (1 detail record)		
	Sum		620
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	2410
	Summary for 'Conductor' = 9A CW (1 detail record)		
	Sum		2410
Summary for 'County' = MARATHON COUNTY (117 detail records)			
Sum			588282
MONROE COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	58729
		Summary for 'Vintage' = 1938	
		Sum	600
		Summary for 'Vintage' = 1941	
		Sum	1600
		Summary for 'Vintage' = 1942	
		Sum	400

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1944	
		Sum	*720*
		Summary for 'Vintage' = 1946	
		Sum	*878*
	Summary for 'Conductor' = 3 Str 10 (17 detail records)		
	Sum		*62927*
	6A CW		
		Summary for 'Vintage' = 1938	
		Sum	*178430*
		Summary for 'Vintage' = 1939	
		Sum	*207570*
		Summary for 'Vintage' = 1940	
		Sum	*36211*
		Summary for 'Vintage' = 1941	
		Sum	*123302*
		Summary for 'Vintage' = 1942	
		Sum	*6268*
		Summary for 'Vintage' = 1943	
		Sum	*7394*
		Summary for 'Vintage' = 1944	
		Sum	*5166*
		Summary for 'Vintage' = 1945	
		Sum	*18868*
		Summary for 'Vintage' = 1946	
		Sum	*78914*
		Summary for 'Vintage' = 1947	
		Sum	*160028*

County	Conductor	Vintage	Quantity
	Summary for 'Conductor' = 6A CW (128 detail records)		
	Sum		*822151*
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	*14004*
	Summary for 'Conductor' = 6C CW (4 detail records)		
	Sum		*14004*
	8A CW		
		Summary for 'Vintage' = 1939	
		Sum	*14860*
		Summary for 'Vintage' = 1941	
		Sum	*35498*
		Summary for 'Vintage' = 1942	
		Sum	*894*
		Summary for 'Vintage' = 1943	
		Sum	*2420*
		Summary for 'Vintage' = 1944	
		Sum	*11168*
		Summary for 'Vintage' = 1947	
		Sum	*920*
	Summary for 'Conductor' = 8A CW (22 detail records)		
	Sum		*65760*
	9A CW		
		Summary for 'Vintage' = 1945	
		Sum	*1300*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1946	
		Sum	*534*
	Summary for 'Conductor' = 9A CW (5 detail records)		
	Sum		*1834*
Summary for 'County' = MONROE COUNTY (176 detail records)			
Sum			*966676*
ONEIDA COUNTY			
	8A CW		
		Summary for 'Vintage' = 1941	
		Sum	*14080*
	Summary for 'Conductor' = 8A CW (9 detail records)		
	Sum		*14080*
Summary for 'County' = ONEIDA COUNTY (9 detail records)			
Sum			*14080*
PEPIN COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	*2372*
		Summary for 'Vintage' = 1938	
		Sum	*340*
	Summary for 'Conductor' = 3 Str 10 (3 detail records)		
	Sum		*2712*
	6A CW		
		Summary for 'Vintage' = 1937	
		Sum	*16760*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1938	
		Sum	*19433*
		Summary for 'Vintage' = 1941	
		Sum	*3582*
		Summary for 'Vintage' = 1943	
		Sum	*510*
		Summary for 'Vintage' = 1945	
		Sum	*10877*
		Summary for 'Vintage' = 1946	
		Sum	*31126*
		Summary for 'Vintage' = 1947	
		Sum	*1046*
	Summary for 'Conductor' = 6A CW (19 detail records)		
	Sum		*83334*
	8A CW		
		Summary for 'Vintage' = 1946	
		Sum	*1872*
		Summary for 'Vintage' = 1947	
		Sum	*4200*
	Summary for 'Conductor' = 8A CW (2 detail records)		
	Sum		*6072*
Summary for 'County' = PEPIN COUNTY (24 detail records)			
Sum			*92118*
PIERCE COUNTY			
	3 Str 10		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1935	
		Sum	*153236*
		Summary for 'Vintage' = 1937	
		Sum	*20716*
		Summary for 'Vintage' = 1938	
		Sum	*2186*
		Summary for 'Vintage' = 1943	
		Sum	*1248*
		Summary for 'Vintage' = 1944	
		Sum	*2592*
		Summary for 'Vintage' = 1947	
		Sum	*219*
	Summary for 'Conductor' = 3 Str 10 (29 detail records)		
	Sum		*180197*
	6A CW		
		Summary for 'Vintage' = 1935	
		Sum	*10850*
		Summary for 'Vintage' = 1936	
		Sum	*114018*
		Summary for 'Vintage' = 1937	
		Sum	*154332*
		Summary for 'Vintage' = 1938	
		Sum	*187972*
		Summary for 'Vintage' = 1939	
		Sum	*201890*
		Summary for 'Vintage' = 1940	
		Sum	*65534*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1941	
		Sum	*40522*
		Summary for 'Vintage' = 1942	
		Sum	*600*
		Summary for 'Vintage' = 1943	
		Sum	*2900*
		Summary for 'Vintage' = 1944	
		Sum	*780*
		Summary for 'Vintage' = 1945	
		Sum	*32828*
		Summary for 'Vintage' = 1946	
		Sum	*192692*
		Summary for 'Vintage' = 1947	
		Sum	*57833*
	Summary for 'Conductor' = 6A CW (172 detail records)		
	Sum		*1062751*
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	*1416*
		Summary for 'Vintage' = 1945	
		Sum	*800*
	Summary for 'Conductor' = 6C CW (2 detail records)		
	Sum		*2216*
	8A CW		
		Summary for 'Vintage' = 1944	
		Sum	*1108*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1945	
		Sum	12322
		Summary for 'Vintage' = 1946	
		Sum	18459
		Summary for 'Vintage' = 1947	
		Sum	1554
	Summary for 'Conductor' = 8A CW (24 detail records)		
	Sum		33443
	9A CW		
		Summary for 'Vintage' = 1945	
		Sum	8066
	Summary for 'Conductor' = 9A CW (3 detail records)		
	Sum		8066
Summary for 'County' = PIERCE COUNTY (230 detail records)			
Sum			1286673
POLK COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	201
		Summary for 'Vintage' = 1936	
		Sum	1682
		Summary for 'Vintage' = 1938	
		Sum	280
		Summary for 'Vintage' = 1939	
		Sum	2492

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1940	
		Sum	*190*
		Summary for 'Vintage' = 1941	
		Sum	*637*
		Summary for 'Vintage' = 1942	
		Sum	*1548*
		Summary for 'Vintage' = 1943	
		Sum	*3628*
		Summary for 'Vintage' = 1944	
		Sum	*4154*
		Summary for 'Vintage' = 1945	
		Sum	*1768*
		Summary for 'Vintage' = 1947	
		Sum	*5467*
	Summary for 'Conductor' = 3 Str 10 (16 detail records)		
	Sum		*22047*
	6A CW		
		Summary for 'Vintage' = 1935	
		Sum	*115*
		Summary for 'Vintage' = 1936	
		Sum	*1714*
		Summary for 'Vintage' = 1939	
		Sum	*843*
		Summary for 'Vintage' = 1942	
		Sum	*1030*
		Summary for 'Vintage' = 1945	
		Sum	*400*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1946	
		Sum	*1864*
		Summary for 'Vintage' = 1947	
		Sum	*726*
	Summary for 'Conductor' = 6A CW (9 detail records)		
	Sum		*6692*
Summary for 'County' = POLK COUNTY (25 detail records)			
Sum			*28739*
PRICE COUNTY			
	6A CW		
		Summary for 'Vintage' = 1941	
		Sum	*14892*
		Summary for 'Vintage' = 1943	
		Sum	*3002*
	Summary for 'Conductor' = 6A CW (17 detail records)		
	Sum		*17894*
	8A CW		
		Summary for 'Vintage' = 1941	
		Sum	*2736*
		Summary for 'Vintage' = 1942	
		Sum	*1440*
	Summary for 'Conductor' = 8A CW (5 detail records)		
	Sum		*4176*
Summary for 'County' = PRICE COUNTY (22 detail records)			
Sum			*22070*
RUSK COUNTY			

County	Conductor	Vintage	Quantity
	6A CW		
		Summary for 'Vintage' = 1941	
		Sum	*73215*
		Summary for 'Vintage' = 1942	
		Sum	*2980*
		Summary for 'Vintage' = 1946	
		Sum	*3130*
		Summary for 'Vintage' = 1947	
		Sum	*2494*
	Summary for 'Conductor' = 6A CW (66 detail records)		
	Sum		*81819*
	8A CW		
		Summary for 'Vintage' = 1941	
		Sum	*20524*
	Summary for 'Conductor' = 8A CW (20 detail records)		
	Sum		*20524*
Summary for 'County' = RUSK COUNTY (86 detail records)			
Sum			*102343*
SAWYER COUNTY			
	6A CW		
		Summary for 'Vintage' = 1946	
		Sum	*258*
	Summary for 'Conductor' = 6A CW (1 detail record)		
	Sum		*258*
	8A CW		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1943	
		Sum	*2620*
	Summary for 'Conductor' = 8A CW (4 detail records)		
	Sum		*2620*
Summary for 'County' = SAWYER COUNTY (5 detail records)			
Sum			*2878*
ST. CROIX COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1923	
		Sum	*1816*
		Summary for 'Vintage' = 1928	
		Sum	*540*
		Summary for 'Vintage' = 1937	
		Sum	*300*
		Summary for 'Vintage' = 1940	
		Sum	*560*
	Summary for 'Conductor' = 3 Str 10 (4 detail records)		
	Sum		*3216*
	6A CW		
		Summary for 'Vintage' = 1929	
		Sum	*12002*
		Summary for 'Vintage' = 1934	
		Sum	*1458*
		Summary for 'Vintage' = 1935	
		Sum	*19881*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1937	
		Sum	*1232*
		Summary for 'Vintage' = 1938	
		Sum	*5308*
		Summary for 'Vintage' = 1942	
		Sum	*2426*
		Summary for 'Vintage' = 1943	
		Sum	*1422*
		Summary for 'Vintage' = 1944	
		Sum	*604*
		Summary for 'Vintage' = 1945	
		Sum	*86431*
		Summary for 'Vintage' = 1946	
		Sum	*247734*
		Summary for 'Vintage' = 1947	
		Sum	*206964*
	Summary for 'Conductor' = 6A CW (112 detail records)		
	Sum		*585462*
	8A CW		
		Summary for 'Vintage' = 1946	
		Sum	*17796*
	Summary for 'Conductor' = 8A CW (5 detail records)		
	Sum		*17796*
Summary for 'County' = ST. CROIX COUNTY (121 detail records)			
Sum			*606474*

TAYLOR COUNTY

County	Conductor	Vintage	Quantity
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	*34254*
		Summary for 'Vintage' = 1937	
		Sum	*9240*
		Summary for 'Vintage' = 1940	
		Sum	*1254*
	Summary for 'Conductor' = 3 Str 10 (7 detail records)		
	Sum		*44748*
	6A CW		
		Summary for 'Vintage' = 1938	
		Sum	*600*
		Summary for 'Vintage' = 1939	
		Sum	*1264*
		Summary for 'Vintage' = 1941	
		Sum	*2716*
		Summary for 'Vintage' = 1942	
		Sum	*510*
		Summary for 'Vintage' = 1945	
		Sum	*6396*
		Summary for 'Vintage' = 1946	
		Sum	*614*
		Summary for 'Vintage' = 1947	
		Sum	*57785*
	Summary for 'Conductor' = 6A CW (37 detail records)		
	Sum		*69885*

County	Conductor	Vintage	Quantity
	6C CW		
		Summary for 'Vintage' = 1945	
		Sum	*6412*
	Summary for 'Conductor' = 6C CW (2 detail records)		
	Sum		*6412*
	8A CW		
		Summary for 'Vintage' = 1946	
		Sum	*714*
	Summary for 'Conductor' = 8A CW (1 detail record)		
	Sum		*714*
Summary for 'County' = TAYLOR COUNTY (47 detail records)			
Sum			*121759*
TREMPEALEAU COUNTY			
	1/4 in. 7 Strd		
		Summary for 'Vintage' = 1943	
		Sum	*500*
	Summary for 'Conductor' = 1/4 in. 7 Strd (1 detail record)		
	Sum		*500*
	3 Str 10		
		Summary for 'Vintage' = 1933	
		Sum	*298*
		Summary for 'Vintage' = 1935	
		Sum	*27238*
		Summary for 'Vintage' = 1938	
		Sum	*861*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1944	
		Sum	*1078*
	Summary for 'Conductor' = 3 Str 10 (14 detail records)		
	Sum		*29475*
	6A CW		
		Summary for 'Vintage' = 1926	
		Sum	*780*
		Summary for 'Vintage' = 1935	
		Sum	*4138*
		Summary for 'Vintage' = 1938	
		Sum	*2634*
		Summary for 'Vintage' = 1939	
		Sum	*6392*
		Summary for 'Vintage' = 1940	
		Sum	*7670*
		Summary for 'Vintage' = 1941	
		Sum	*496*
		Summary for 'Vintage' = 1942	
		Sum	*2578*
		Summary for 'Vintage' = 1943	
		Sum	*740*
		Summary for 'Vintage' = 1945	
		Sum	*15723*
		Summary for 'Vintage' = 1946	
		Sum	*41970*
		Summary for 'Vintage' = 1947	
		Sum	*99378*

County	Conductor	Vintage	Quantity
	Summary for 'Conductor' = 6A CW (61 detail records)		
	Sum		*182499*
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	*3882*
	Summary for 'Conductor' = 6C CW (1 detail record)		
	Sum		*3882*
	8A CW		
		Summary for 'Vintage' = 1941	
		Sum	*4804*
		Summary for 'Vintage' = 1943	
		Sum	*130*
		Summary for 'Vintage' = 1945	
		Sum	*5232*
		Summary for 'Vintage' = 1947	
		Sum	*6592*
	Summary for 'Conductor' = 8A CW (7 detail records)		
	Sum		*16758*
Summary for 'County' = TREMPEALEAU COUNTY (84 detail records)			
Sum			*233114*
VERNON COUNTY			
	3 Str 10		
		Summary for 'Vintage' = 1935	
		Sum	*65424*
		Summary for 'Vintage' = 1936	
		Sum	*430*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1944	
		Sum	*254*
	Summary for 'Conductor' = 3 Str 10 (5 detail records)		
	Sum		*66108*
	6A CW		
		Summary for 'Vintage' = 1936	
		Sum	*23490*
		Summary for 'Vintage' = 1937	
		Sum	*24032*
		Summary for 'Vintage' = 1938	
		Sum	*4445*
		Summary for 'Vintage' = 1939	
		Sum	*13770*
		Summary for 'Vintage' = 1940	
		Sum	*2446*
		Summary for 'Vintage' = 1941	
		Sum	*22472*
		Summary for 'Vintage' = 1942	
		Sum	*45831*
		Summary for 'Vintage' = 1943	
		Sum	*8772*
		Summary for 'Vintage' = 1944	
		Sum	*576*
		Summary for 'Vintage' = 1945	
		Sum	*64432*
		Summary for 'Vintage' = 1946	
		Sum	*136180*

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1947	
		Sum	*197883*
	Summary for 'Conductor' = 6A CW (123 detail records)		
	Sum		*544329*
	6C CW		
		Summary for 'Vintage' = 1944	
		Sum	*12086*
		Summary for 'Vintage' = 1945	
		Sum	*7052*
	Summary for 'Conductor' = 6C CW (5 detail records)		
	Sum		*19138*
	8A CW		
		Summary for 'Vintage' = 1937	
		Sum	*602*
		Summary for 'Vintage' = 1938	
		Sum	*18386*
		Summary for 'Vintage' = 1939	
		Sum	*16898*
		Summary for 'Vintage' = 1941	
		Sum	*9257*
		Summary for 'Vintage' = 1943	
		Sum	*10480*
		Summary for 'Vintage' = 1946	
		Sum	*600*
	Summary for 'Conductor' = 8A CW (10 detail records)		
	Sum		*56223*

County	Conductor	Vintage	Quantity
	9A CW		
		Summary for 'Vintage' = 1944	
		Sum	*12260*
		Summary for 'Vintage' = 1945	
		Sum	*5034*
		Summary for 'Vintage' = 1947	
		Sum	*518*
	Summary for 'Conductor' = 9A CW (10 detail records)		
	Sum		*17812*
Summary for 'County' = VERNON COUNTY (153 detail records)			
Sum			*703610*
VILAS COUNTY			
	6A CW		
		Summary for 'Vintage' = 1941	
		Sum	*38941*
		Summary for 'Vintage' = 1943	
		Sum	*1162*
		Summary for 'Vintage' = 1947	
		Sum	*600*
	Summary for 'Conductor' = 6A CW (109 detail records)		
	Sum		*40703*
Summary for 'County' = VILAS COUNTY (109 detail records)			
Sum			*40703*
WASHBURN COUNTY			
	3 Str 10		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1935	
		Sum	*46286*
		Summary for 'Vintage' = 1938	
		Sum	*688*
		Summary for 'Vintage' = 1944	
		Sum	*120*
	Summary for 'Conductor' = 3 Str 10 (7 detail records)		
	Sum		*47094*
	6A CW		
		Summary for 'Vintage' = 1935	
		Sum	*103*
		Summary for 'Vintage' = 1936	
		Sum	*8592*
		Summary for 'Vintage' = 1937	
		Sum	*8695*
		Summary for 'Vintage' = 1938	
		Sum	*130*
		Summary for 'Vintage' = 1941	
		Sum	*14602*
		Summary for 'Vintage' = 1944	
		Sum	*496*
		Summary for 'Vintage' = 1947	
		Sum	*1380*
	Summary for 'Conductor' = 6A CW (14 detail records)		
	Sum		*33998*
	6C CW		

County	Conductor	Vintage	Quantity
		Summary for 'Vintage' = 1944	
		Sum	*7976*
	Summary for 'Conductor' = 6C CW (2 detail records)		
	Sum		*7976*
	8A CW		
		Summary for 'Vintage' = 1939	
		Sum	*130*
		Summary for 'Vintage' = 1940	
		Sum	*6120*
		Summary for 'Vintage' = 1941	
		Sum	*2188*
		Summary for 'Vintage' = 1943	
		Sum	*3890*
		Summary for 'Vintage' = 1945	
		Sum	*1550*
		Summary for 'Vintage' = 1946	
		Sum	*444*
	Summary for 'Conductor' = 8A CW (12 detail records)		
	Sum		*14322*
Summary for 'County' = WASHBURN COUNTY (35 detail records)			
Sum			*103390*
Grand Total			*10797110*