

## North Dakota State College of Science 800 Sixth St. N., Wahpeton, ND 58076-0002 • 1.800.342.4325

OCTOBER 26, 2007

TO: Industry, Business and Labor Committee

FROM: Ivan Maas, chairman - NDSCS Electrical Technology Dept

Please find attached:

Coral - Electrical Technology curriculum(s)

White - Placement / employment data

THANK YOU for the opportunity to present to you!

Ivan Maas

NDSCS Electrical Technology Dept

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701-671-2662

## **Electrical Technology - Construction Option**

		Course	Sem	Hrs/	Contact 1	Hours
Dept	#	Title	Cr	Week	Electrical	Total
ECAL	101	Electrical Fundamentals	5	5	80	80
ECAL	103	Electrical Code Study	4	4	64	64
ECAL	133	Basic Wiring	3	5	80	80
ECAL	137	Electrical Drafting	2	4	64	64
CIS	101	Computer Literacy	2	2		32
MATH	132	Technical Algebra I	2	2	32	32
MATH	136	Technical Trigonometry	2	2	32	32
1st Semes	st Semester Totals			24	352	384

ECAL	102	Electrical Fundamentals	5	5	80	80
ECAL	111	Electric Meters & Motors	3	5	80	80
ENGL	110	College Composition I	3	3		48
HPER		Physical Education or First Aid & CPR*	2	2		32
MATH	134	Technical Algebra II	2	2	32	32
PSYC	100	Human Relations in Organization	2	2		32
2 <sup>nd</sup> Semester Totals		17	19	192	304	

ECAL	201	Alternating Current Theory	5	5	80	80
ECAL	211	AC Measurements Lab	4	6	96	96
ECAL	223	Electronic Devices	4	8	128	128
ECAL	241	Basic Motor Controls	3	6	96	96
ENGL	105	Business & Technical Communications	3	3		48
3 <sup>rd</sup> Semester Totals		19	28	400	448	

ECAL	203	Advanced Code Study	3	3	48	48
ECAL	204	Electrical Planning & Estimating	4	4	64	64
ECAL	205	Electrical Design & Lighting	3	4	64	64
ECAL	233	Commercial Wiring Lab	3	6	96	96
ECAL	243	Programmable Controllers	3	6	96	96
4th Semes	4th Semester Totals		16	23	368	368

AAS Electrical Technology - Electric Construction	al 72	94	1,312	1,504	

<sup>\* 2</sup> credits in Wellness-First Aid & CPR are recommended, however the following are also accepted (HPER 100, 101, 102, or 210, MUSC 115, 117, 138, or 157, NUTR, THEA)

ND Board of Electricity typically grants 2000 hrs of apprenticeship credit with this degree.

### **Electrical Technology - Industrial Option**

		Course	Sem	Hrs/	Contact	Contact Hours	
Dept	#	Title	Cr	Week	Electrical	Total	
ECAL	101	Electrical Fundamentals	5	5	80	80	
ECAL	103	Electrical Code Study	4	4	64	64	
ECAL	133	Basic Wiring	3	5	80	80	
ECAL	137	Electrical Drafting	2	4	64	64	
CIS	101	Computer Literacy	2	2		32	
MATH	132	Technical Algebra I	2	2	32	32	
MATH	136	Technical Trigonometry	2	2	32	32	
1st Semes	st Semester Totals			24	352	384	

ECAL	102	Electrical Fundamentals	5	5	80	80
ECAL	111	Electric Meters & Motors	3	5	80	80
ENGL	110	College Composition I	3	3		48
HPER		Physical Education or First Aid & CPR*	2	2		32
MATH	134	Technical Algebra II	2	2	32	32
PSYC	100	Human Relations in Organization	2	2		32
2 <sup>nd</sup> Semester Totals		17	19	192	304	

ECAL	201	Alternating Current Theory	5	5	80	80
ECAL	211	AC Measurements Lab	4	6	96	96
ECAL	223	Electronic Devices	4	8	128	128
ECAL	241	Basic Motor Controls	3	6	96	96
ENGL	105	Business & Technical Communications	3	3		48
3 <sup>rd</sup> Seme	ster To	otals	19	28	400	448

ECAL	205	Electrical Design & Lighting	3	4	64	64
ECAL	224	Automated Industrial Controls	5	10	160	160
ECAL	243	Programmable Controllers	3	6	96	96
ECAL	244	Electric Machines & Solid State Drives	5	10	160	160
4th Semester Totals		16	23	480	480	

Program Summary:				•
AAS Electrical Technology - Industrial Option	72	94	1,424	1,616

<sup>\* 2</sup> credits in Wellness- First Aid & CPR are recommended, however the following are also accepted (HPER 100, 101, 102, or 210, MUSC 115, 117, 138, or 157, NUTR, THEA)

ND Board of Electricity typically grants 2000 hrs of apprenticeship credit with this degree.

## **Electrical Technology - Master Technician Option**

		Course	Sem	Hrs/	Contact	Hours
Dept	#	Title	Cr	Week	Electrical	Total
ECAL	101	Electrical Fundamentals	5	5	80	80
ECAL	103	Electrical Code Study	4	4	64	64
ECAL	133	Basic Wiring	3	5	80	80
ECAL	137	Electrical Drafting	2	4	64	64
CIS	101	Computer Literacy	2	2		32
MATH	132	Technical Algebra I	2	2	32	32
MATH	136	Technical Trigonometry	2	2	32	32
1st Semes	1st Semester Totals			24	352	384

ECAL	102	Electrical Fundamentals	5	5	80	80
ECAL	111	Electric Meters & Motors	3	5	80	80
ENGL	110	College Composition I	3	3		48
HPER		Physical Education or First Aid & CPR*	2	2		32
MATH	134	Technical Algebra II	2	2	32	32
PSYC	100	Human Relations in Organization	2	2		32
2 <sup>nd</sup> Seme	2 <sup>nd</sup> Semester Totals		17	19	192	304

ECAL	201	Alternating Current Theory	5	5	80	80
ECAL	211	AC Measurements Lab	4	6	96	96
ECAL	223	Electronic Devices	4	8	128	128
ECAL	241	Basic Motor Controls	3	6	96	96
ENGL	105	Business & Technical Communications	3	3		48
3 <sup>rd</sup> Semester Totals		19	28	400	448	

ECAL	203	Advanced Code Study	3	3	48	48
ECAL	204	Electrical Planning & Estimating	4	4	64	64
ECAL	205	Electrical Design & Lighting	3	4	64	64
ECAL	233	Commercial Wiring Lab	3	6	96	96
ECAL	243	Programmable Controllers	3	6	96	96
4th Semester Totals		16	23	368	368	

AAS EIG	ectrica	l Technology - Construction Option	72	94	1,312	1,504
MFGT	130	Industrial Safety	2	2	32	32
ECAL	224	Automated Industrial Controls	5	10	160	161
ECAL	237	House Wiring Rough-In	1	2	32	32
ECAL	245	Medium & High Voltage	1	2	32	32
CIS		Networking**	4	4	64	64
5 <sup>th</sup> Seme:	5 <sup>th</sup> Semester Totals		13	20	320	320

ECAL	238	House Wiring Trim-Out	1	2	32	32
ECAL	244	Electric Machines & Solid State Drives	5	10	160	160
ECAL	246	Alarm, Communications & Data Systems	3	6	96	96
CIS		Networking**	4	4	64	64
6th Semester Totals		13	22	352	352	

AAS Electrical Technology - 1	Master Technician.	98	136	1,984	2,176

<sup>\* 2</sup> credits in Wellness- First Aid & CPR are recommended, however the following are also accepted (HPER 100, 101, 102, or 210, MUSC 115, 117, 138, or 157, NUTR, THEA)

ND Board of Electricity typically grants 2000 hrs of apprenticeship credit with this degree.

<sup>\*\*</sup> A minimum of 7 credits of Networking classes from the following: Network Plus, BiCiSi, CIS 234, 265, 266, 267, or 268.

### ATTENDANCE POLICY **ELECTRICAL TECHNOLOGY DEPARTMENT**

Attendance is critical to your success in college, just as it is to your future success at work. We want you to succeed and our past experience tells us that your chances of success are best when you make every effort to attend class.

Attendance is especially critical in all of our technology programs at NDSCS because our learning environments are very specialized. Because of the special equipment and facilities needed to provide you with a quality education, it is often impossible to make up work that is missed due to absences from class.

Therefore, the Electrical Technology Department has instituted a department attendance policy that applies to all courses offered by the department. This policy is very stringent because of time credit for apprenticeship, the demands of he electrical industry, state electrical boards, etc. The policy is as follows:

**Attendance Policy** 

Any student absent more than 5% of a course's total contact hours will be dropped from the course, or will be given an "F" letter grade.

#### Make Up Policy

- Students may retake a course they have failed. A.
- Students may make up work while they are enrolled in a course as follows: B.
  - All make up work must be done in advance, or within one week of the absence.
  - Make up arrangements must be made with the instructor of the class. 2.
  - The maximum make up is for four days of absence. 3.
  - Students requesting exceptions to the above, due to unusual circumstances such as: serious 4. injury, serious illness or family emergencies, must present their case before the Electrical Department Faculty, in a formal Electrical Department meeting.

Students receiving sanctions as a result of this policy can file a written appeal with Mr. Richard Graham, Division Academic Counselor, in the Technologies & Services Division Office, 115 Old Main. The appeal will be reviewed by the student's advisor, the appropriate Department Chair (or his or her designee), the Division Academic Counselor, and the Division Dean.

### The following specific policy will be in effect for classes in the Electrical Technology Program:

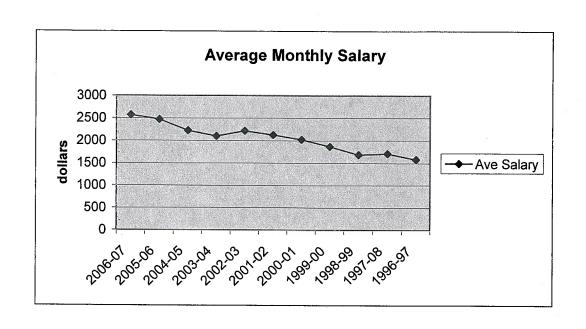
Maximum Days Absent	Specific class examples.
4	Classes that meet five days per week: ECAL 101, ECAL 102, ECAL 111, ECAL 133, ECAL 201, ECAL 224, ECAL 244.
3	Classes that meet four days per week: ECAL 103, ECAL 204, ECAL 205 and ECAL 223.
2	Classes that meet three days per week: ECAL 203, ECAL 211, ECAL 233, ECAL 241, ECAL 243, and ECAL 246.
2	Classes that meet two days per week or four days per week for nine weeks: ECAL 137, ECAL 237, ECAL 238, ECAL 245, MATH 132, MATH 134, MATH136, MFGT 130.
When students miss o hours = 1 day, 4 hours	ne hour of a two hour class, such as ECAL 137, 223, 233, 241, 243, the following will also apply: 2

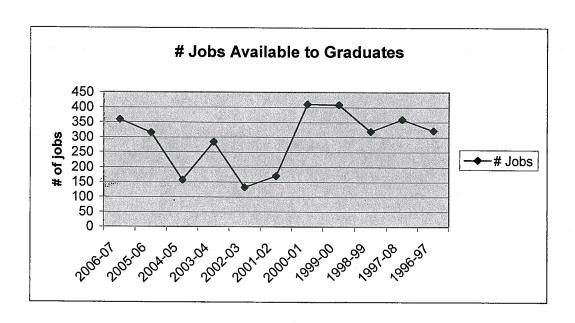
hours = 1 day, 4 hours = 2 days, 6 hours = 3 days, 8 hours = 4 days.

I understand the above	attendance policy. I have received a copy of this policy.	
PRINT NAME:		ID#
SIGNATURE:		DATE

# NDSCS ELECTRICAL TECHNOLOGY DEPT Placement Data Summary 1997-2007

Year	# Grad's # .	Jobs	Ave Salary
2006-07	59	359	2569
2005-06	53	315	2470
2004-05	61	157	2222
2003-04	69	284	2095
2002-03	55	132	2214
2001-02	56	170	2125
2000-01	71	410	2021
1999-00	57	408	1864
1998-99	53	319	1683
1997-08	55	359	1708
1996-97	41	321	1579





## NORTH DAKOTA STATE COLLEGE OF SCIENCE STATUS OF GRADUATES

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TECHNOLOGIES AND SERVICES

Department:

ELECTRICAL TECHNOLOGY

(Including Construction, Industrial and Master)

	Number of Graduates	Percent	% of Graduates _Available
Accepted related employment	57	83	97
Accepted unrelated employment	2	3	3
Seeking employment	0	0	0
Subtotal (Graduates available for employment)	59	86	100
Graduates, but NOT seeking employment:			
Additional college	5	. 7	
Seeking employment at a later date	2	3	
Unknown	3	4	
Subtotal (Graduates not seeking employment)	10	14	
TOTAL (ALL STUDENTS)	69	100	
**************************************	***************	******	******
Average monthly salary accepted \$2,569			
Range of salaries from \$1,647 \$ 6,067			
Number of graduates accepting related employment in	ND	22	7
Percentage of graduates accepting related employment	in ND	39%	
Percentage of graduates employed or pursuing addition 69-unknown= 66	nal college	97% related + un	64/66=97 related + College = 64

### TECHNOLOGIES AND SERVICES DIVISION Electrical Technology Department (Including Construction, Industrial and Master)

	OCCUPATIONAL		DATE	
TUDENTS	PLANS & EMPLOYERS	LOCATION	STARTED	_
	Encore Electric	Englewood, CO	May-07	17
	Cedar Lake Electric	Fairbault, MN .	May-07	14
	Fergus Electric	Fergus Falls, MN	May-07	1
	Hill Electric	Chokio, MN	Jun-07	10
	College, NDSCS Electrical Master	Tech		
	ABC Electric	Bismarck, ND	Jul-07	10
•	ND Union Electrical	Fargo, ND	May-07	1:
	Energy Tech Systems	Bismarck, ND	Jun-07	1
	Encore Electric	Englewood, CO	May-07	13
	Liberty Electric	Great Falls, MT	May-07	14
	Minnepolis Industrial Electric	Fergus Falls, MN	Jun-07	10
	College, NDSCS Electrical Master			
	Red River Electric	Moorhead, MN	May-07	1
	Wayne's Electric	Fargo, ND	May-07	12
	Unknown	<b>J</b> .		
	Skeel's Electric	Bismarck, ND	May-07	13
	Willis Electric	Mandan, ND	Jan-07	12
	Muth Electric	Sioux Falls, SD	May-07	13
	Seeking at a later date	0.00%; 0.00, 0.0	may or	
	IE Miller (unrelated)	Williston, ND	May-07	
	Nordick Electric	Wheaton, MN	May-07	13
	Halliburton	Casper, WY	Jun-07	24.23
	Encore Electric	Englewood, CO	Jun-07	18
	Expressway & Power Plant	Falkirk, ND	Jan-07	25
	Rio Tinto Energy	Sheridan, WY	May-07	23
	Rio Tinto Energy	Sheridan, WY	Jun-07	23
	College, UND Electrical Engineering	-	30(1-01	20
	Arby's (unrelated)	Fargo, ND		
	Minnepolis Industrial Electric	Fergus Falls, MN	Jun-07	10
	Douglas Manufacturing	Alexandria, MN		
	Denny's Electric and Motor Repair		Oct-07	17
	JATC Union	Dickinson, ND	May-07	13
	Minnepolis Industrial Electric	Fargo, ND	May-07	10
	JATC Union	Fergus Falls, MN	Jun-07	10
	Encore Electric	Fargo, ND	May-07	10
		Englewood, CO	May-07	13
	Energy Tech Systems	Bismarck, ND	May-07	14
	Scott's Electric	Wahpeton, ND	May-07	13
	Loen-Electric Unknown	Benson, MN	Dec-06	13
	Montana Dakota Utilities	Bismarck, ND	May-07	22
	Agri-Industries	Sidney, MT	May-07	13
	TIC of Wyoming	Casper, WY	May-07	35
	Precision Electric	Fargo, ND	May-07	12
	College, NDSCS Electrical	. argo, 11D	IVICY-UI	12
	Baker Hughes Centrilift	Rangely, CO	May-07	18
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Cavendish Farms	Jamestown, ND	May-07	17.61
Bergstrom Electric	Fargo, ND	May-07	11.25
College, UND Business	3-7-12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20
Rio Tinto Energy	Gillette, WY	May-07	20.00
Red River Electric	Moorhead, MN	May-07	11.00
Arnt's Electric	Williston, ND	May-07	13.00
Grotberg Electric Inc.	Valley City, ND	May-07	12.00
Mike Wilhelm Electric	Bozeman, MT	May-07	15.00
Magnum Electric Inc.	Moorhead, MN	Aug-07	15.00
Paul's Electric	Wyndmere, ND	Jun-07	13.00
Summer's Electric	Breckenridge, MN	Aug-07	13.00
Samson Electric LTD	Park River, ND	May-07	9.50
Unknown	,	•	
River Valley Systems	Cambridge, NE	May-07	15.00
Berg Electric	Las Vegas, NV	Jun-07	20.00
Tech Electric	Livingston, MT	May-07	12.00
Red River Electric	Moorhead, MN	May-07	11.00
Seeking at a later date		•	
Bergstrom Electric	Fargo, ND	May-07	11.65
Rio Tinto Energy	Gillette, WY	May-07	23.65
Houska Electric	Fargo, ND	May-07	11.00
Daktronics	Brookings, SD	May-07	12.25
Douglas Machines	Alexandria, MN	May-07	17.50
Paul's Electric	Wyndmere, ND	Jun-07	14.00
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## NORTH DAKOTA STATE COLLEGE OF SCIENCE STATUS OF GRADUATES

Division:

TECHNOLOGIES AND SERVICES

Department:

**ELECTRICAL TECHNOLOGY** 

(Including Construction, Industrial and Master)

	Number of Graduates	Percent	% of Graduates Available		
Accepted related employment	51	81	96		
Accepted unrelated employment	1	2	2		
Seeking employment	1	. 2			
Subtotal (Graduates available for employment)	53	84.	100		
Graduates, but NOT seeking employment:					
Additional college	5	8			
Seeking employment at a later date	0	0			
Unknown	5	8			
Subtotal (Graduates not seeking employment)	10	16			
TOTAL (ALL STUDENTS)	63	100			
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Number of employment opportunities reported 315					
Average monthly salary accepted \$2,470					
Range of salaries from \$ 1,360 to \$ 3,840					
Number of graduates accepting related employment in ND					
Percentage of graduates accepting related employment in ND					
Percentage of graduates employed or pursuing additional college					

### TECHNOLOGIES AND SERVICES DIVISION Electrical Technology Department (Including Construction, Industrial and Master)

STI IDENTS	OCCUPATIONAL PLANS & FMPLOYERS	100471011	DATE
STUDENTS	PLANS & EMPLOYERS	LOCATION	STARTED
	Red River Electric	Moorhead, MN	May-06
	Minot Electric	Minot, ND	May-06
	Berg Electric	Sacramento, CA	Jun-05
,	Triangle Electric	Williston, ND	Sep-06
	Tech Electric	Livingston, MT	May-06
	Minnkota Power Coop	Center, ND	Jul-06
	Daktronics	Brookings, SD	Sep-06
	Fagen Inc	Granite Falls, MN	May-06
	A & F Electric	Williston, ND	Jun-06
₽*	Western Energy Company	Colstrip, MT 🗅	Jul-06
	Unknown	•	
	MRL Equipment	Billings, MT	Jun-06
. '	Silver Construction (unrelated)	Pelican Rapids, MN	May-06
	Imation	Wahpeton, ND	Ma <u>y</u> -06
	Berg Electric	Sacramento, CA	Jun-06
	Electric Systems Inc.	Bismarck, ND	May-06
	College, NDSU Electrical Engine		,
<b>8</b>	Sax Electric	Williston, ND	
	College, NDSCS Electronic Tech		
	Washington Group International	Hardin, MT	
	Thunder Basin Coal Company	Gillette, WY	
	Douglas Machine	Alexandria, MN	May-06
	Grotberg Electric	Gwinner, ND	May-06
	Dakota Hills Electric	Kindred, ND	May-06
	Kennecott Energy	Gillette, WY	May-06
	Bergstrom Electric	Bismarck, ND	Jul-06
	Teton Electric	Choteau, MT	May-06
	Bergstrom Electric	Fargo, ND	May-06
	Don's Heating	Hankinson, ND	-
	Unknown	Hankinbull, NU	Mar-06
u u	Red River Electric	Moorboad MM	Marion
		Moorhead, MN	May-06
	Skeel's Electric	Bismarck, ND	May-06
	JATC	Bismarck, ND	
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College, NDSCS Electrical Ma	ster Tech	
Don's Electric	Bismarck, ND	May-06
Nordick Electric	Wahpeton, ND	Jul-06
Unknown	5 D	
Coyle Electric	Bowman, ND	May-06
Western Energy Company	Colstrip, MT	May-06
Fagen Inc	Underwood, ND	May-06
Fagen Inc	Granite Falls, MN	Jun-06
College, NDSCS Electrical Mas	ster Tech	
Bergstrom Electric	Bismarck, ND	May-06
Unknown		
Legge Farms	Spiritwood, ND	May-06
Fergus Electric	Fergus Falls, MN	May-06
Berg Electric	Las Vagas, NV	Jun-06
Tech Electric	MT	May-06
MDU	Bismarck, ND	May-06
College, NDSCS Electronic Tec	chnology.	
Liberty Electric	Missoula, MT	Jun-06
Employed	Fargo, ND	Aug-06
Berg Electric	Sacramento, CA	Jun-06
Rick's Electric	Moorhead, MN	Jun-06
Seeking		
Hobart	Bismarck, ND	Jun-06
Colowyo Coal Mine	Craig, CO	Jun-06
Berg Electric	Las Vagas, NV	Jun-06
Unknown	•	
Western Energy Company	Colstrip, MT	May-06
Spring Creek Mine	Decker, MT	May-06
Kennecott Energy	Gillette, WY	May-06
Douglas Machine	Alexandria, MN	May-06

## NORTH DAKOTA STATE COLLEGE OF SCIENCE STATUS OF GRADUATES

Division:

TECHNOLOGIES AND SERVICES

Department:

ELECTRICAL TECHNOLOGY

(Including Construction, Industrial and Master)

	Number of Graduates	Percent	% of Graduates Available
Accepted related employment	59	93	97
Accepted unrelated employment	2	3	3
Seeking employment	0	0	0
Subtotal (Graduates available for employment)	61	96	100
Graduates, but NOT seeking employment:			
Additional college	1	2	
Seeking employment at a later date	0	0	
Unknown	1	2	
Subtotal (Graduates not seeking employment)	2	4	
TOTAL (ALL STUDENTS)	63	100	
**************************************	******	******	*****
Average monthly salary accepted \$2,222			
Range of salaries from \$1,440 to \$3,600			
Number of graduates accepting employment in ND	33		
Percentage of graduates accepting employment in ND	54%		
Percentage of graduates employed or pursuing additional	college	100%	

### TECHNOLOGIES AND SERVICES DIVISION Electrical Technology Department (Including Construction, Industrial and Master)

	OCCUPATIONAL			DATE
STUDENTS	PLANS & EMPLOYERS	LOCATION		STARTED
	K & S Electric	Plevna	MT	May-0
	Kennecott Energy	Decker	MT	May-0
	Smart Wire	Fargo	ND	May-0
	Fulkine Mine	Underwood	ND	May-0
	Kennecott Energy	Craig	CO	May-0
•	Douglas Machine	Alexandria	MN	May-0
	Berger Electric, Inc.	Dickinson	ND	May-0
	Dakota Electric	Fargo	ND	May-0
	Berg Electric	Las Vegas	NV	Jul-0
	Western Energy Company	Colstrip	MŤ	May-0
	Red River Electric, Inc	Moorhead	MN	May-0
	Muth Electric	Aberdeen	SD	May-0
	Liberty Electric	Great Falls	MT	May-0
	Scott's Electric	Jamestown	ND	Oct-0
	Corp of Engineers	Riverdale	ND	May-0
	MDU	Bismarck	ND	May-0
	AMF Electric	Williston	ND	May-0
	Action Electric	Billings	MT	May-0
	JDP Electric	Fargo	ND	Jun-08
	Grotenberg Electric, Inc	Valley City	ND	May-05
	AJ Moore Electric	Delanow	MN	Aug-0
•	Barr's Electric	Ortonville	MN	May-0
	Paul's Electric	Wyndmere	ND	May-0
	Minn-Dak Farmers Cooperative	Wahpeton	ND	May-0
	Totally TR Electric	Burnsville	MN -	Jun-0
	Kennecott Energy	Gillette	WY	Jun-0
	Burlington Northern Santa Fe	Minot	ND	Apr-05
	Kennecott Energy	Craig	CO	May-05
	Great River Energy	Underwood	ND	May-05
	Western Engineer Solutions	Bismarck	ND	May-0
	Dakota Electric	Fargo	ND	May-0
	Loen Electric, Inc.	Benson	MN	May-0
	HA Thompson & Sons	<b>E</b> ismarck	ND	May-0
	Triangle Électric	Williston	ND	May-0
	Action Electric	Billings	MT	May-0
	Kennecott Energy	Gillette	WY	May-0
	Thielen Electric	St. Cloud	MN	May-0
	Western Energy Company	Colstrip	MT	Jun-0
	Red River Electric, Inc	Moorhead	MN	May-0
	CDJ Electric, Plumbing, & Heating		SD	May-05

	Messner Electric	I famanala	N 46.1	14. 67
		Harcock	MN	May-05
	Dakotas JATC	Minot	ND	Jun-05
	Red River Electric, Inc	Moorhead	MN	May-05
	JATC	Bismarck	ND	May-05
	Min-Dak	Wahpeton	ND	May-05
	Magnum Electric	Moorhead	MN	May-05
	Phase Electric	Bloomington	MN	Jul-05
	Triangle Electric	Williston	ND	May-05
	Entze Ranch (unrelated)	Golden Valley	ND	May-05
	Whetstone Ag Supplys (unrelated)	Wilmot	ND	May-05
	Liberty Electric	Missoula	MT	Jun-05
	College, NDSCS Master Technician			
	Dakota Refrigeration	Fargo	ND	May-05
	Union (JATL)	Billings	MT	May-05
	Century Electric	Grand Forks	ND	May-05
	Edling Electric	Bismarck	ND	May-05
	Climate Controls	Fargo	ND	May-05
	Central Power Cooperation	Minot	ND	May-05
• • •	Bergstrom Electric	Fargo	ND	May-05
	Falkirk Coal Mine	Underwood	ND	May-05
	Cass County Electric	Fargo	ND	May-05
	Minn-Dak Farmers Cooperative	Wahpeton	ND	May-05 May-05
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