0000060674

Tucson Electric Power Company

220 West Sixth Street, Post Office Box 711
Tucson, Arizona 85702

Area Code 602
Telephone 571-4000

E-00000D-93-0052

March 29, 1995

RECEIVED
AZ CORP COMMISSION
MAR 31 11 22 AM '95
DOCUMENT
CONTROL

Docket Control
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007

Dear Sirs:

Enclosed is Tucson Electric Power Company's 1994 response to R-14-2-703, Utility Reporting Requirements. The report includes demand-side and supply-side data for the year ending December 31, 1994.

If there are any questions concerning the information submitted, please do not hesitate to contact me.

Sincerely,

Phil Harper

Phil Harper, Manager
Marketing/Product Development

enclosures

cc: D. Berry
G. O'Brien
V. Nitido
C. Otero-Goodwin

#62114

RESPONSE OF

RECEIVED
AZ CORP COMMISSION
MAR 31 11 22 AM '95
DOCUMENT
CONTROL

Tucson Electric Power

The Energy People

TO
R14-2-703
UTILITY REPORTING REQUIREMENTS

OF THE
ARIZONA CORPORATION COMMISSION
RESOURCE PLANNING RULES

APRIL 1, 1995

TUCSON ELECTRIC POWER COMPANY

Response to R14-2-703
April 1, 1995

MAR 31 11 22 AM '95
DOCKETED
CONTROL

DATA FOR YEAR-END 1994

TABLE OF CONTENTS

	Page
A. DEMAND-SIDE DATA	
1. Hourly Demand for the Previous Calendar Year Disaggregated by:	
a. Sales to End Users	1-15
b. Sales for Resale	16-78
c. Hourly Losses	79-93
d. Utility Use	94
2. Hourly Demand by:	
a. Residential Customers	94
b. Nonresidential by Customer Class and Type of Business	94
3. Coincident Peak Demand and Energy for Non-Residential Customers by Type of Business	95
4. Number of Retail Customers by Class	96
5. Heating and Cooling Degree Days by Month	96
6. Residential Customer and End-use Data:	
a. Customers by Dwelling Type	97-100
b. Household Income Patterns	97-100
c. Appliance Saturations	97-100
d. Appliance Saturations by Household Income and Dwelling Type	101-103
e. End-use Metered Data	103
f. Appliance Efficiency Data	104-105
g. Appliance Connected Load Data	106
h. Customer Usage by Degree Days or Temperature	107
7. Non-residential Customer Characteristics and Usage Data Collected in the Last Ten Years:	
a. Customers by Business Type	107
b. Employees by Business Type	107
c. Electricity Usage by Major End-user	107
d. Hourly Demand by Customer Type for Baseload, Heating and Cooling Loads	107

8. Annual DSM Progress Report 108-154

9. Average Price of Electricity for Residential and Non-residential by Business Type 155

B. SUPPLY-SIDE DATA

1. For Each Generating Unit and Purchased Power Contract

a. In-service Date 156
b. Book Life or Contract Period 156-157
c. Capacity in Megawatts (Utility Share) 158-157
d. Maximum Unit or Contract Capacity by Hour, Day, or Month (if such Capacity varies over the year)
158-160
e. Generating Units: forced outage rate 158-160
f. Generating Units: average heat rate, at selected output levels if available 158-160
g. Generating Units: fuel costs in dollars per million BTU's for each type of fuel 163
h. Generating Units: other variable O&M costs ($/MWh) 158-160
i. Purchased Power Energy Costs for Contract Purchases ($/MWh) 164
j. Generating Units: Fixed O&M costs ($/MWh) 158-160
k. Demand Charges for Purchased Power 164
l. Generating Units: fuel type(s) 158-160
m. Minimum Capacity at which the unit would be run or power must be purchased 161-162
n. Whether, Under Standard Operating Procedures, the Generating Unit must be run if it is available to Run 161-162
o. Generating Units: maintenance schedules 161-162

2. For the Power Supply System

a. Description of Unit Commitment Procedures 165
b. Production Cost 161-162
c. Reserve Requirements 165-211
d. Spinning Reserve 165-211
e. Reliability of Generating, Transmission, and Distribution Systems 165-211
f. Interchange Purchase and Sale Prices 212
g. Energy Losses 212

3. Cogeneration and other self Generation 213

4. Map of Transmission System, Including Capacity for each Segment 214

HOURLY RETAIL DEMAND (EEI FORMAT)
1994

ITEM A 1(a)

The following pages contain the hourly retail demand for 1994. The information is also provided in file retdem94.xls.

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
1 1941	651	633	620	618	627	642	679	696	725	746	739	719
1 1942	707	683	662	665	672	730	794	784	769	747	708	657
1 2941	622	605	610	613	620	650	684	728	749	758	749	739
1 2942	715	688	678	674	690	752	832	817	801	763	706	638
1 3941	608	607	613	623	652	734	865	907	905	881	861	830
1 3942	804	790	788	776	784	828	889	885	866	817	741	678
1 4941	630	628	629	635	666	750	876	926	898	853	832	804
1 4942	787	782	770	769	765	813	891	861	842	791	718	651
1 5941	618	611	612	623	641	711	848	902	871	837	826	817
1 5942	810	800	783	792	802	869	881	874	818	811	719	651
1 6941	614	607	611	620	630	719	839	896	869	853	843	831
1 6942	800	791	783	776	786	851	940	930	909	868	795	725
1 7941	695	687	684	697	726	822	947	1009	980	944	909	861
1 7942	840	815	809	788	770	829	899	889	887	841	794	746
1 8941	704	702	701	706	717	762	821	886	910	906	875	842
1 8942	794	761	733	719	732	794	872	850	827	798	753	700
1 9941	668	664	665	669	675	701	749	807	848	838	808	791
1 9942	758	742	722	708	723	787	873	858	838	807	761	691
0110941	669	666	665	686	723	808	941	1002	980	940	910	880
0110942	837	814	792	783	783	839	928	928	902	847	779	705
0111941	680	681	679	690	729	812	940	988	960	921	879	843
0111942	817	793	784	773	785	848	918	907	885	828	774	708
0112941	678	679	693	691	718	802	965	1004	966	929	886	846
0112942	822	807	793	782	802	863	940	934	925	857	793	719
0113941	694	690	692	708	738	824	972	1022	977	932	899	855
0113942	839	818	790	777	790	850	930	918	893	845	783	703
0114941	676	663	666	675	699	781	920	970	952	910	882	856
0114942	832	807	788	776	771	813	873	852	827	795	734	677
0115941	641	653	637	642	654	686	735	781	819	823	818	791
0115942	770	754	738	728	727	775	834	812	793	766	721	674
0116941	640	639	625	634	643	672	719	766	796	794	775	755
0116942	743	721	709	704	711	767	837	825	796	764	720	669
0117941	650	646	643	658	678	745	831	888	905	888	866	836
0117942	811	792	775	763	767	809	899	887	858	812	744	677
0118941	641	638	645	652	676	761	896	961	917	879	845	816
0118942	797	785	781	771	779	804	890	875	842	802	737	671
0119941	636	629	639	643	658	751	885	934	898	868	840	813
0119942	800	794	785	783	781	818	895	882	855	805	733	670
0120941	631	626	626	632	651	731	866	913	895	863	843	825
0120942	812	805	789	778	775	814	898	874	852	809	750	676
0121941	657	636	639	642	657	738	871	933	909	877	856	835
0121942	821	800	794	784	775	803	862	847	816	780	727	674
0122941	640	628	623	625	635	673	730	785	812	818	812	790
0122942	760	736	727	720	726	767	829	813	783	751	701	651
0123941	615	598	593	590	597	624	662	701	738	751	759	753
0123942	748	726	715	711	726	776	827	812	790	753	692	625
0124941	588	587	579	587	582	673	795	847	833	818	817	815
0124942	807	803	795	789	777	813	886	866	833	782	699	632
0125941	600	586	590	595	609	695	822	860	834	808	867	808
0125942	800	801	788	783	796	835	915	899	878	822	750	680
0126941	650	640	639	640	663	747	871	931	898	861	842	815
0126942	801	789	775	767	773	817	907	903	882	838	755	687
0127941	655	655	659	671	698	782	918	955	933	891	857	830
0127942	810	798	781	766	777	830	911	907	889	838	760	689

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
0128941	652	642	651	644	665	739	860	923	921	922	935	910
0128942	891	869	836	831	853	899	949	938	919	884	825	754
0129941	712	704	710	713	732	777	844	913	948	933	901	853
0129942	813	770	745	735	740	782	872	869	850	824	783	727
0130941	703	693	692	693	712	734	788	836	868	856	830	806
0130942	774	751	735	724	718	754	837	853	862	836	772	714
0131941	682	682	684	700	731	820	960	1019	990	955	926	884
0131942	851	832	809	792	796	854	946	955	933	880	802	727
2 1941	704	706	711	723	753	848	998	1042	1004	962	924	886
2 1942	865	845	824	801	813	866	956	962	942	896	818	744
2 2941	759	698	704	709	742	831	959	1011	966	947	910	879
2 2942	855	831	811	805	822	886	947	927	912	874	803	741
2 3941	704	689	690	703	732	828	959	1021	986	932	888	852
2 3942	826	809	796	780	791	830	906	910	893	853	782	711
2 4941	664	655	645	650	661	738	859	913	907	901	885	856
2 4942	829	804	768	762	766	787	847	851	828	796	737	679
2 5941	640	629	623	630	646	683	740	794	826	824	802	778
2 5942	754	721	710	702	711	736	812	812	792	760	717	666
2 6941	636	621	617	622	635	662	715	760	778	772	753	733
2 6942	720	699	687	680	687	722	803	812	790	754	697	628
2 7941	593	578	571	582	605	678	803	865	867	857	848	839
2 7942	827	817	817	831	864	925	955	936	899	850	771	684
2 8941	653	646	654	646	658	729	848	905	903	896	894	874
2 8942	865	843	827	814	839	899	956	943	909	864	784	704
2 9941	667	657	654	655	670	749	889	933	925	905	878	858
2 9942	841	821	805	791	797	824	902	911	897	851	778	709
0210941	670	655	654	664	690	770	910	951	910	870	846	816
0210942	800	777	771	766	774	804	890	893	876	830	754	682
0211941	648	641	633	640	662	740	868	913	896	862	838	815
0211942	805	797	785	768	763	791	862	867	839	814	753	696
0212941	653	649	648	653	672	709	772	838	866	850	830	798
0212942	772	739	718	710	719	753	836	845	823	799	757	700
0213941	668	655	649	651	657	689	732	776	806	816	807	784
0213942	752	726	705	692	701	735	811	815	800	765	696	626
0214941	591	590	590	595	617	688	817	862	863	848	845	822
0214942	805	785	770	757	759	773	841	845	824	779	715	638
0215941	607	601	600	612	632	716	844	879	843	811	794	773
0215942	765	759	749	753	754	772	830	845	825	774	701	635
0216941	593	585	583	596	607	678	817	859	841	817	806	792
0216942	791	789	788	777	775	794	855	850	820	767	692	618
0217941	574	560	551	552	567	632	738	776	766	775	780	778
0217942	787	788	785	776	782	816	845	839	812	761	702	628
0218941	587	572	563	563	573	638	746	794	818	836	839	825
0218942	808	790	779	776	774	806	852	852	826	784	729	671
0219941	637	624	609	613	620	657	716	766	805	808	794	775
0219942	763	744	726	716	721	745	818	833	811	788	739	690
0220941	659	648	642	648	649	681	730	776	811	815	800	767
0220942	742	716	692	689	694	741	807	820	799	773	709	646
0221941	612	602	602	606	623	687	803	871	882	886	863	837
0221942	809	796	776	768	772	809	874	887	863	816	753	685
0222941	643	616	618	626	650	729	861	893	866	841	820	801
0222942	787	770	759	745	746	777	856	881	860	820	747	689
0223941	661	649	649	660	688	772	907	945	913	885	856	830
0223942	808	801	785	777	765	789	853	884	854	826	762	694

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
0224941	661	653	655	663	700	773	884	922	903	864	840	815
0224942	793	781	772	763	754	767	836	851	827	789	732	666
0225941	632	623	625	635	659	714	822	860	858	849	826	807
0225942	791	782	766	756	755	776	824	829	803	762	715	660
0226941	612	595	587	585	594	628	684	728	754	764	766	759
0226942	745	731	712	697	710	721	766	788	767	735	690	637
0227941	599	587	579	578	591	611	658	688	713	718	719	717
0227942	710	699	692	695	702	719	780	801	786	748	690	622
0228941	592	577	577	593	614	688	817	859	845	827	815	806
0228942	806	798	785	774	774	785	838	861	835	785	714	643
3 1941	611	604	597	609	632	701	832	859	832	812	798	788
3 1942	782	776	772	764	771	783	829	855	826	783	704	635
3 2941	596	582	581	589	608	685	798	848	838	834	820	807
3 2942	805	801	803	798	797	806	858	869	841	785	702	631
3 3941	591	578	566	569	580	640	752	788	788	784	798	811
3 3942	819	821	833	820	815	822	854	873	843	790	712	630
3 4941	593	569	564	559	572	629	732	772	779	792	801	814
3 4942	813	820	823	814	805	795	814	840	806	766	705	651
3 5941	602	583	570	567	562	585	642	677	720	748	757	765
3 5942	759	747	735	738	744	749	782	815	781	743	686	626
3 6941	589	568	567	562	569	584	618	635	674	697	715	726
3 6942	719	710	706	710	722	728	772	802	792	747	696	614
3 7941	577	564	555	556	574	626	738	784	796	815	830	843
3 7942	835	807	795	786	784	808	851	873	835	789	706	642
3 8941	604	587	585	598	617	694	808	838	817	805	782	785
3 8942	770	761	762	751	759	775	821	860	835	790	719	651
3 9941	615	606	606	609	626	711	830	857	832	819	811	802
3 9942	791	789	778	777	780	785	827	867	840	787	715	640
0310941	611	594	597	599	619	692	807	834	823	813	806	804
0310942	804	813	810	805	803	801	829	865	835	787	716	644
0311941	607	585	581	586	600	661	759	805	812	825	812	810
0311942	812	802	790	785	765	764	796	822	795	766	719	636
0312941	606	582	579	584	589	613	665	710	752	764	758	754
0312942	737	721	705	695	696	711	764	788	771	728	642	589
0313941	601	577	575	554	567	595	628	664	707	736	752	748
0313942	739	727	707	699	695	717	770	812	796	755	693	638
0314941	590	583	580	581	595	666	769	803	806	814	823	821
0314942	819	803	803	801	794	789	817	858	827	772	691	625
0315941	583	564	559	543	604	631	730	766	764	779	795	803
0315942	812	817	819	830	816	810	827	867	833	780	693	623
0316941	582	569	559	556	570	628	728	758	769	786	817	823
0316942	838	860	860	872	859	857	879	892	868	815	735	654
0317941	609	587	566	566	580	632	714	748	771	799	830	843
0317942	860	872	890	885	879	871	880	910	878	821	733	656
0318941	603	583	568	570	576	632	715	750	775	791	813	824
0318942	833	822	814	791	800	815	830	831	808	764	701	643
0319941	608	589	577	573	573	600	631	674	723	753	766	767
0319942	754	750	741	746	764	780	802	809	788	749	706	643
0320941	607	591	583	568	574	584	606	635	682	714	733	738
0320942	730	720	710	705	718	735	759	801	778	743	690	608
0321941	569	567	559	559	582	646	749	782	794	806	812	818
0321942	822	826	825	822	816	815	833	868	843	786	712	636
0322941	590	568	563	562	575	631	726	764	768	789	805	807
0322942	818	816	819	817	808	812	831	872	838	780	712	633

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
0323941	596	575	563	570	580	635	722	756	755	778	802	807
0323942	814	815	809	800	801	813	841	863	835	783	713	642
0324941	601	584	571	574	587	647	736	776	790	799	818	821
0324942	823	823	828	822	814	807	826	871	850	787	716	650
0325941	599	581	574	567	584	641	731	771	780	803	805	799
0325942	791	795	784	776	770	778	803	830	816	776	712	652
0326941	603	585	573	588	591	619	652	696	745	790	795	795
0326942	778	762	749	729	735	745	777	819	798	764	723	663
0327941	635	615	603	594	600	626	653	678	705	725	729	730
0327942	725	719	702	693	707	727	753	799	786	752	690	630
0328941	594	586	578	587	610	679	774	811	821	820	822	815
0328942	806	806	802	796	798	801	819	864	841	786	718	647
0329941	605	590	588	591	612	670	764	804	797	800	807	802
0329942	806	813	814	816	812	810	825	873	841	792	721	648
0330941	609	589	583	578	597	654	742	783	814	818	826	841
0330942	848	848	865	860	855	836	843	885	865	810	726	650
0331941	609	588	579	580	589	642	708	742	777	803	823	836
0331942	856	870	872	874	869	855	854	892	868	815	744	669
4 1941	618	582	577	576	587	631	687	732	774	814	831	861
4 1942	858	863	865	860	851	841	830	865	834	792	718	653
4 2941	614	604	593	593	590	610	629	664	722	754	768	781
4 2942	787	787	791	793	785	785	798	836	817	777	721	661
4 3941	616	590	572	565	568	579	594	626	658	691	708	718
4 3942	737	737	736	734	728	725	753	794	785	756	691	631
4 4941	597	580	572	569	577	624	673	720	771	804	828	845
4 4942	849	846	844	832	827	815	823	864	844	797	726	642
4 5941	598	581	573	571	582	630	710	752	785	801	810	815
4 5942	811	811	808	804	804	801	807	856	839	779	710	641
4 6941	604	586	581	582	604	660	742	787	808	805	813	817
4 6942	816	827	826	822	823	814	817	861	842	794	716	637
4 7941	597	575	563	568	581	633	708	742	762	780	801	806
4 7942	819	827	826	828	825	807	814	855	835	782	698	630
4 8941	592	572	570	572	582	632	703	753	785	809	828	837
4 8942	838	842	837	832	824	804	803	843	829	787	722	665
4 9941	621	602	582	574	579	596	618	662	715	751	765	768
4 9942	760	754	770	766	762	772	780	823	803	762	708	657
0410941	619	597	587	584	594	601	602	622	669	694	712	731
0410942	732	716	709	707	713	723	745	793	783	735	685	627
0411941	578	566	564	569	588	645	727	776	793	803	810	815
0411942	814	819	819	822	811	812	814	864	846	781	701	632
0412941	585	567	555	564	577	628	703	740	755	778	799	807
0412942	802	832	846	840	832	824	824	873	850	789	713	631
0413941	591	573	565	566	578	630	704	749	776	806	836	843
0413942	863	887	888	891	892	863	859	898	874	816	731	647
0414941	597	581	572	572	584	631	697	743	767	799	828	848
0414942	875	894	905	903	901	874	862	901	882	830	740	662
0415941	611	592	575	573	574	623	697	750	781	815	836	868
0415942	896	913	930	936	930	917	891	916	889	838	763	687
0416941	634	604	590	578	575	590	614	664	729	788	825	860
0416942	879	888	907	913	919	917	889	920	887	836	771	707
0417941	658	627	611	600	596	599	600	641	709	765	820	856
0417942	884	899	908	901	906	907	896	920	892	840	760	680
0418941	620	610	603	591	598	636	709	774	819	875	914	953
0418942	978	1003	1019	1001	975	955	945	978	956	879	783	692

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
0419941	636	615	599	584	588	625	687	754	802	863	920	961
0419942	991	1026	1056	1077	1077	1061	1036	1050	1002	923	825	725
0420941	667	640	626	614	624	663	732	803	855	915	977	1023
0420942	1069	1106	1129	1102	1069	1042	1011	1022	998	935	837	736
0421941	682	653	627	620	620	664	736	801	864	918	979	1018
0421942	1055	1083	1117	1124	1124	1070	1017	1023	996	924	825	739
0422941	683	655	635	627	633	677	743	814	870	937	985	1026
0422942	1058	1064	1086	1111	1103	1077	1018	1023	987	915	827	742
0423941	691	654	645	629	622	645	660	712	776	835	890	919
0423942	944	956	965	973	972	962	923	934	910	853	785	711
0424941	664	634	617	605	600	604	608	643	698	742	774	788
0424942	793	797	804	803	793	785	781	816	802	752	699	643
0425941	606	589	576	579	576	622	695	748	772	790	809	821
0425942	822	831	832	833	822	815	803	845	828	779	700	627
0426941	587	572	562	565	580	625	697	745	772	786	810	829
0426942	828	826	825	819	812	804	798	852	841	789	708	641
0427941	600	587	586	576	561	574	643	687	699	717	737	742
0427942	737	729	715	728	707	696	705	764	743	699	616	559
0428941	521	500	498	497	511	565	641	688	704	720	742	745
0428942	752	754	767	762	759	752	754	817	812	759	687	618
0429941	583	570	558	557	570	617	695	743	769	788	809	810
0429942	812	822	821	822	815	799	788	820	816	767	710	647
0430941	605	576	565	563	559	579	602	658	705	746	766	781
0430942	784	785	778	800	802	799	795	816	815	771	716	646
5 1941	601	578	560	554	561	561	572	610	662	710	735	764
5 1942	775	780	784	790	796	799	785	820	823	776	716	645
5 2941	597	571	563	564	575	609	688	746	799	817	868	879
5 2942	899	921	935	949	946	931	909	924	913	837	744	663
5 3941	613	589	578	569	582	619	693	737	779	822	866	895
5 3942	922	947	978	995	1002	992	964	975	954	869	780	682
5 4941	633	606	599	582	601	631	702	770	816	868	921	964
5 4942	996	1043	1075	1095	1098	1089	1042	1044	1015	930	811	719
5 5941	655	631	613	607	609	624	702	773	833	906	952	996
5 5942	1035	1074	1100	1102	1088	1044	1007	1016	1002	931	832	735
5 6941	676	646	621	617	618	656	732	793	855	910	957	988
5 6942	1019	1042	1052	1062	1056	1012	971	982	953	899	821	729
5 7941	670	638	620	605	602	612	627	682	744	809	841	871
5 7942	883	897	914	914	908	903	873	878	861	820	770	698
5 8941	651	625	612	591	567	573	577	611	669	718	754	773
5 8942	791	802	810	818	820	821	800	823	822	786	722	649
5 9941	605	587	577	575	573	610	691	752	801	840	872	886
5 9942	898	904	900	901	891	881	854	887	873	819	731	657
0510941	609	584	578	570	585	618	689	739	773	801	816	826
0510942	832	842	848	843	837	826	816	848	841	784	704	627
0511941	596	579	564	565	572	615	687	748	775	806	836	857
0511942	861	893	896	887	896	876	868	886	860	799	728	645
0512941	602	578	576	574	582	620	692	745	776	810	845	869
0512942	885	901	906	914	909	896	876	896	891	831	743	668
0513941	616	600	584	580	584	618	686	755	811	872	917	945
0513942	970	996	1014	1023	1024	1012	970	975	949	890	818	735
0514941	678	640	593	569	572	574	597	657	732	802	855	909
0514942	935	962	992	1007	1025	1025	991	984	973	906	833	749
0515941	694	658	631	614	596	588	601	652	727	804	879	929
0515942	973	1003	1028	1036	1049	1053	1000	998	973	901	809	714

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
0516941	654	623	604	591	598	631	706	788	860	923	978	1014
0516942	1046	1073	1089	1097	1100	1068	1030	1016	1001	916	814	717
0517941	655	625	607	602	609	632	707	764	822	865	916	955
0517942	987	1022	1046	1062	1069	1048	1005	994	984	905	817	732
0518941	670	637	629	625	626	661	732	806	869	923	958	990
0518942	1024	1042	1071	1080	1082	1057	1010	982	955	887	795	706
0519941	652	627	608	600	608	625	700	753	797	845	893	912
0519942	962	970	983	986	983	965	925	917	906	849	771	693
0520941	636	608	593	587	595	623	678	740	797	848	887	919
0520942	942	965	979	989	980	955	912	902	893	834	759	687
0521941	635	611	591	586	588	588	617	663	729	787	840	879
0521942	903	919	945	969	983	975	939	922	912	847	782	713
0522941	664	636	606	594	592	584	598	634	700	760	817	871
0522942	911	948	974	1000	1007	1001	984	970	966	906	831	735
0523941	672	650	627	621	625	652	717	792	869	948	1007	1052
0523942	1090	1124	1143	1152	1158	1139	1092	1077	1070	989	884	790
0524941	724	694	674	658	660	685	795	809	862	895	941	979
0524942	990	980	983	1005	1010	986	971	947	927	861	783	703
0525941	655	623	610	606	613	653	717	767	827	860	882	899
0525942	902	914	917	903	885	873	844	858	862	824	741	671
0526941	625	618	606	609	609	641	693	753	805	849	899	923
0526942	950	965	993	993	995	982	953	948	945	885	799	711
0527941	660	625	613	599	602	631	694	772	848	906	972	1015
0527942	1046	1078	1108	1115	1111	1094	1046	1022	1010	950	871	788
0528941	726	673	662	636	632	629	663	726	819	889	961	1002
0528942	1034	1055	1077	1080	1087	1082	1043	1023	1017	944	878	792
0529941	729	687	650	637	623	616	632	675	748	827	897	958
0529942	998	1023	1036	1028	1009	987	959	956	952	896	826	736
0530941	677	632	612	601	596	590	614	670	748	835	915	969
0530942	1015	1050	1076	1109	1120	1114	1078	1060	1047	977	882	785
0531941	729	687	661	647	656	677	744	830	937	1017	1083	1143
0531942	1190	1230	1268	1283	1286	1245	1202	1168	1149	1050	939	826
6 1941	746	694	664	655	649	673	736	820	905	984	1046	1104
6 1942	1154	1202	1225	1249	1247	1220	1173	1137	1109	1016	899	787
6 2941	712	675	644	634	636	654	732	792	877	964	1037	1089
6 2942	1149	1190	1224	1247	1254	1241	1193	1158	1130	1044	917	802
6 3941	735	694	663	655	655	669	747	832	915	1005	1082	1136
6 3942	1181	1225	1248	1269	1287	1233	1188	1157	1109	1032	933	840
6 4941	759	720	691	666	658	654	692	766	860	952	1026	1117
6 4942	1146	1149	1175	1198	1211	1197	1168	1154	1103	1037	950	861
6 5941	795	732	700	671	659	641	657	710	797	890	977	1033
6 5942	1079	1112	1140	1179	1193	1193	1152	1104	1097	1026	919	814
6 6941	748	708	680	658	664	684	764	862	954	1030	1104	1160
6 6942	1209	1243	1265	1273	1284	1255	1200	1164	1147	1051	944	832
6 7941	753	711	686	670	671	683	756	841	942	1029	1090	1131
6 7942	1174	1196	1234	1250	1251	1232	1182	1138	1120	1027	925	811
6 8941	745	703	672	660	666	685	763	859	957	1044	1104	1153
6 8942	1205	1242	1276	1291	1299	1284	1233	1197	1176	1081	961	854
6 9941	773	738	707	689	686	706	784	881	968	1054	1126	1186
6 9942	1242	1283	1315	1325	1324	1296	1252	1216	1202	1115	1003	886
0610941	807	759	731	708	705	719	798	907	1013	1103	1175	1232
0610942	1286	1325	1340	1346	1343	1317	1257	1223	1206	1127	1029	925
0611941	851	796	761	729	720	712	740	827	936	1040	1114	1168
0611942	1209	1236	1254	1265	1269	1260	1215	1192	1174	1104	1020	927

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
0612941	852	799	758	724	711	692	718	789	895	992	1067	1133
0612942	1183	1208	1232	1252	1249	1242	1208	1182	1178	1105	1006	897
0613941	817	773	766	710	717	740	833	938	1050	1133	1206	1263
0613942	1305	1342	1372	1384	1333	1344	1304	1258	1250	1159	1047	929
0614941	843	791	759	742	745	762	838	933	1031	1107	1166	1212
0614942	1250	1284	1300	1310	1308	1281	1233	1195	1181	1099	978	877
0615941	805	760	725	718	725	741	832	935	1017	1093	1151	1192
0615942	1226	1264	1288	1292	1294	1270	1218	1179	1179	1094	975	866
0616941	800	760	729	706	707	729	812	901	992	1081	1135	1196
0616942	1241	1269	1305	1318	1313	1296	1233	1203	1202	1113	1008	901
0617941	834	797	770	754	752	782	846	922	987	1034	1049	1056
0617942	1053	1061	1081	1112	1115	1087	1057	1044	1052	1012	934	843
0618941	776	741	716	700	702	699	731	799	901	1005	1090	1144
0618942	1177	1156	1091	1037	1034	1028	1021	1018	1038	989	928	856
0619941	804	766	740	721	720	705	722	785	871	950	1011	1069
0619942	1103	1132	1165	1185	1163	1119	1068	1046	1043	999	914	831
0620941	782	755	739	729	741	771	841	917	982	1055	1127	1181
0620942	1209	1231	1226	1202	1194	1152	1119	1117	1113	1041	941	848
0621941	792	756	735	724	734	764	835	897	980	1052	1128	1176
0621942	1213	1261	1288	1298	1306	1283	1238	1207	1211	1140	1019	922
0622941	856	810	780	764	769	787	879	972	1077	1153	1226	1279
0622942	1318	1348	1375	1378	1389	1373	1325	1285	1280	1197	1076	975
0623941	903	860	832	800	804	822	906	994	1092	1177	1254	1300
0623942	1361	1410	1437	1449	1449	1421	1365	1327	1313	1228	1118	1008
0624941	934	884	855	832	816	825	921	1032	1146	1243	1310	1379
0624942	1434	1486	1552	1539	1499	1486	1414	1355	1329	1239	1139	1051
0625941	962	915	864	843	820	804	853	952	1067	1179	1271	1351
0625942	1395	1429	1443	1446	1443	1430	1387	1352	1339	1273	1178	1086
0626941	1003	949	903	869	836	812	841	921	1031	1133	1215	1283
0626942	1344	1382	1404	1421	1425	1407	1369	1334	1321	1252	1160	1060
0627941	988	945	918	897	895	930	1007	1120	1233	1320	1383	1431
0627942	1483	1517	1529	1539	1538	1514	1464	1429	1426	1334	1207	1103
0628941	1033	993	953	933	933	961	1023	1104	1178	1258	1348	1413
0628942	1469	1525	1549	1570	1573	1535	1483	1408	1400	1328	1239	1122
0629941	1046	1000	956	926	915	927	949	1093	1199	1304	1395	1453
0629942	1507	1550	1572	1585	1574	1555	1490	1459	1435	1341	1235	1112
0630941	1029	979	941	925	926	950	1027	1108	1206	1281	1350	1427
0630942	1458	1505	1518	1517	1515	1470	1413	1374	1364	1285	1175	1080
7 1941	1018	972	930	916	912	927	993	1077	1158	1232	1305	1325
7 1942	1365	1396	1423	1432	1423	1390	1330	1306	1286	1212	1123	1029
7 2941	963	918	877	847	820	817	850	935	1043	1139	1213	1277
7 2942	1317	1355	1371	1384	1396	1381	1343	1316	1315	1245	1149	1062
7 3941	968	925	891	859	837	819	851	921	1017	1102	1175	1233
7 3942	1283	1318	1333	1351	1353	1335	1301	1252	1240	1185	1116	1024
7 4941	961	911	879	856	841	822	860	930	1022	1104	1184	1249
7 4942	1278	1313	1327	1341	1324	1314	1269	1233	1208	1153	1087	989
7 5941	911	863	833	821	829	841	939	1041	1136	1207	1279	1323
7 5942	1362	1381	1389	1402	1416	1393	1334	1282	1262	1174	1054	932
7 6941	844	799	764	745	734	743	821	909	1015	1110	1191	1243
7 6942	1293	1337	1365	1378	1381	1355	1306	1258	1233	1145	1030	914
7 7941	838	785	747	733	715	732	795	885	985	1059	1147	1221
7 7942	1268	1318	1349	1373	1378	1359	1313	1272	1248	1154	1041	924
7 8941	845	802	761	736	726	738	808	909	1011	1111	1196	1269
7 8942	1331	1378	1417	1437	1440	1406	1352	1304	1274	1196	1100	997

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
7 9941	909	859	814	785	771	764	796	894	1005	1112	1194	1248
7 9942	1292	1315	1336	1353	1361	1340	1306	1259	1251	1174	1080	985
0710941	916	872	840	812	799	789	822	896	992	1079	1151	1207
0710942	1251	1283	1312	1332	1340	1330	1299	1261	1259	1194	1090	985
0711941	924	875	849	826	809	828	913	1020	1126	1212	1277	1332
0711942	1376	1417	1440	1450	1448	1414	1367	1333	1322	1226	1113	1003
0712941	927	871	838	831	822	843	920	1022	1117	1213	1277	1341
0712942	1382	1427	1448	1457	1456	1435	1382	1339	1324	1239	1111	1001
0713941	915	863	823	803	807	815	899	997	1103	1194	1268	1322
0713942	1371	1419	1448	1452	1464	1441	1391	1347	1329	1247	1120	1005
0714941	916	862	818	779	785	798	874	972	1072	1152	1233	1287
0714942	1335	1385	1419	1435	1450	1423	1379	1332	1310	1225	1111	997
0715941	918	873	837	813	813	832	905	978	1110	1194	1263	1306
0715942	1358	1390	1407	1420	1411	1379	1325	1291	1286	1208	1114	1013
0716941	937	884	851	829	815	817	829	890	974	1066	1142	1204
0716942	1236	1271	1279	1293	1288	1278	1232	1208	1203	1141	1071	985
0717941	922	892	852	830	813	817	816	847	902	954	991	1003
0717942	987	979	969	973	975	970	949	949	977	949	888	825
0718941	776	751	734	725	737	764	831	914	1014	1096	1154	1186
0718942	1199	1223	1240	1251	1254	1216	1159	1140	1141	1074	985	884
0719941	830	795	766	744	745	772	845	922	990	1064	1136	1198
0719942	1240	1275	1285	1268	1274	1258	1209	1175	1164	1098	998	910
0720941	841	806	774	762	761	788	857	951	1047	1136	1204	1272
0720942	1319	1348	1332	1223	1160	1113	1076	1081	1084	1031	951	854
0721941	800	766	747	722	735	772	830	927	1037	1127	1203	1263
0721942	1312	1362	1385	1377	1324	1271	1229	1199	1194	1121	1019	916
0722941	851	810	789	779	781	811	875	993	1095	1193	1264	1325
0722942	1369	1408	1431	1419	1364	1259	1197	1187	1161	1110	1030	953
0723941	894	851	829	820	800	808	827	903	1021	1125	1190	1241
0723942	1248	1242	1284	1308	1319	1323	1279	1258	1218	1095	1025	937
0724941	878	837	801	787	764	765	781	852	940	1035	1109	1170
0724942	1221	1251	1273	1289	1304	1299	1248	1215	1200	1132	1046	957
0725941	900	850	834	814	824	840	912	1006	1109	1200	1278	1337
0725942	1388	1418	1425	1448	1428	1382	1330	1306	1295	1206	1097	1000
0726941	923	880	861	837	845	869	943	1047	1147	1220	1285	1348
0726942	1391	1434	1452	1453	1451	1420	1372	1346	1331	1248	1140	1043
0727941	976	937	903	890	888	917	969	1045	1142	1208	1264	1301
0727942	1339	1375	1381	1406	1397	1374	1338	1309	1295	1209	1108	1005
0728941	932	904	878	867	865	904	954	1056	1152	1237	1308	1356
0728942	1399	1442	1460	1444	1238	1101	1103	1110	1101	1041	961	887
0729941	832	801	784	776	780	809	866	965	1053	1139	1214	1265
0729942	1305	1335	1361	1378	1378	1350	1298	1257	1241	1170	1080	984
0730941	917	884	858	831	812	809	811	857	952	1048	1111	1176
0730942	1208	1237	1255	1274	1284	1246	1202	1168	1168	1112	1019	938
0731941	881	837	815	791	780	776	783	846	930	1027	1102	1164
0731942	1210	1234	1264	1280	1265	1237	1206	1159	1191	1138	1044	959
8 1941	894	858	832	805	817	846	915	1019	1117	1212	1278	1335
8 1942	1391	1422	1449	1454	1447	1425	1373	1338	1322	1225	1112	1022
8 2941	945	901	864	842	834	859	926	1031	1129	1211	1281	1347
8 2942	1391	1435	1460	1481	1485	1467	1410	1377	1353	1253	1131	1031
8 3941	951	897	865	838	837	863	927	1025	1128	1221	1280	1349
8 3942	1386	1423	1455	1472	1476	1450	1415	1374	1348	1255	1144	1040
8 4941	969	927	896	876	867	900	978	1086	1182	1272	1345	1395
8 4942	1440	1486	1516	1531	1526	1500	1439	1395	1374	1291	1187	1088

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
8 5941	1011	961	936	914	916	950	1011	1116	1222	1307	1369	1406
8 5942	1430	1455	1476	1482	1468	1440	1372	1353	1312	1236	1139	1048
8 6941	971	925	895	870	858	850	884	965	1077	1174	1254	1314
8 6942	1355	1384	1419	1426	1428	1407	1361	1343	1312	1243	1161	1069
8 7941	994	929	902	866	852	849	852	931	1013	1108	1179	1227
8 7942	1266	1308	1334	1341	1344	1330	1293	1289	1274	1172	1062	982
8 8941	927	895	876	864	864	890	944	1011	1086	1170	1250	1302
8 8942	1342	1372	1410	1408	1344	1264	1213	1211	1193	1116	1035	942
8 9941	877	846	822	808	810	839	894	959	1035	1114	1190	1245
8 9942	1288	1339	1379	1402	1411	1399	1343	1332	1303	1222	1115	1020
0810941	954	919	882	862	860	882	936	1015	1123	1212	1289	1356
0810942	1407	1468	1497	1501	1459	1414	1374	1360	1341	1254	1139	1043
0811941	1084	931	898	881	882	909	969	1044	1125	1173	1209	1251
0811942	1318	1373	1410	1424	1436	1400	1352	1346	1316	1234	1121	1012
0812941	945	921	900	867	862	887	946	1038	1135	1231	1309	1376
0812942	1412	1457	1458	1444	1380	1333	1273	1270	1247	1175	1093	1000
0813941	939	894	863	834	828	829	854	940	1054	1142	1228	1292
0813942	1334	1377	1392	1290	1180	1163	1133	1135	1118	1070	1001	933
0814941	870	838	806	792	781	782	798	876	969	1057	1138	1199
0814942	1258	1309	1332	1359	1378	1368	1329	1325	1307	1226	1115	1002
0815941	934	900	874	862	872	906	989	1077	1150	1236	1308	1357
0815942	1404	1433	1460	1476	1469	1443	1399	1365	1269	1185	1085	985
0816941	917	881	853	843	845	884	958	1054	1149	1229	1294	1348
0816942	1391	1434	1467	1451	1429	1277	1221	1225	1200	1125	1024	935
0817941	876	851	831	845	839	875	938	1023	1112	1189	1257	1304
0817942	1336	1360	1390	1422	1423	1391	1352	1347	1307	1230	1102	1003
0818941	935	903	868	847	850	886	953	1036	1112	1211	1287	1343
0818942	1398	1453	1445	1448	1443	1404	1372	1374	1351	1267	1155	1055
0819941	976	932	908	889	889	908	980	1077	1183	1264	1337	1397
0819942	1441	1447	1348	1221	1203	1173	1127	1094	1065	1009	934	863
0820941	800	765	748	734	730	744	763	841	941	1042	1123	1173
0820942	1207	1255	1283	1307	1317	1300	1258	1242	1213	1140	1061	979
0821941	911	865	830	807	790	791	806	878	990	1083	1158	1229
0821942	1283	1265	1213	1172	1120	1086	1054	1063	1042	989	920	832
0822941	778	755	734	713	721	770	843	926	1019	1095	1165	1217
0822942	1259	1302	1334	1366	1354	1329	1293	1300	1259	1164	1045	935
0823941	872	831	809	792	794	838	907	972	1030	1086	1119	1157
0823942	1200	1255	1291	1298	1305	1286	1250	1263	1239	1149	1021	919
0824941	858	818	798	786	788	831	910	996	1082	1137	1201	1231
0824942	1256	1303	1356	1387	1398	1371	1301	1318	1270	1178	1058	966
0825941	898	865	835	833	837	893	966	1067	1157	1223	1294	1337
0825942	1375	1405	1429	1440	1419	1380	1318	1309	1270	1175	1047	944
0826941	876	844	816	803	805	848	924	1002	1081	1174	1241	1298
0826942	1339	1386	1420	1432	1443	1389	1328	1323	1276	1189	1083	995
0827941	935	889	856	827	825	831	847	909	988	1083	1159	1216
0827942	1256	1292	1317	1323	1325	1297	1247	1256	1230	1156	1079	995
0828941	926	889	848	828	806	806	813	875	966	1076	1159	1248
0828942	1298	1321	1334	1287	1267	1252	1221	1234	1209	1139	1044	946
0829941	887	845	821	811	822	865	950	1036	1113	1226	1281	1329
0829942	1374	1416	1438	1455	1431	1408	1355	1352	1306	1197	1073	969
0830941	912	869	834	807	822	862	948	1043	1139	1213	1277	1328
0830942	1363	1370	1392	1384	1352	1298	1255	1279	1242	1148	1026	918
0831941	850	812	785	777	777	823	908	990	1077	1158	1224	1270
0831942	1316	1362	1392	1410	1397	1354	1306	1317	1282	1189	1063	960

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
9 1941	893	851	817	808	809	855	928	1012	1094	1176	1240	1287
9 1942	1346	1379	1417	1416	1363	1279	1272	1287	1244	1158	1048	947
9 2941	881	852	828	808	814	873	944	1024	1101	1167	1227	1269
9 2942	1335	1370	1336	1268	1235	1194	1159	1150	1080	1021	944	877
9 3941	815	790	776	761	756	762	780	807	862	903	934	960
9 3942	972	1002	1018	1040	1029	1020	1011	1029	999	955	891	830
9 4941	773	744	724	706	698	701	713	763	847	930	1001	1055
9 4942	1096	1129	1155	1171	1169	1160	1123	1121	1076	1017	935	855
9 5941	791	762	735	719	710	722	731	790	869	960	1036	1108
9 5942	1142	1170	1201	1212	1215	1208	1169	1177	1131	1048	946	852
9 6941	796	759	740	725	732	773	847	936	1039	1120	1194	1259
9 6942	1298	1355	1395	1409	1402	1358	1309	1282	1243	1142	1028	928
9 7941	852	816	800	778	788	837	910	1003	1091	1176	1249	1298
9 7942	1353	1393	1425	1434	1436	1406	1357	1354	1292	1187	1056	941
9 8941	879	840	813	797	786	842	920	1006	1087	1175	1241	1299
9 8942	1350	1398	1419	1404	1407	1373	1332	1335	1269	1172	1046	938
9 9941	876	843	810	793	794	831	908	992	1094	1187	1253	1312
9 9942	1358	1404	1402	1356	1314	1272	1253	1228	1175	1086	1000	916
0910941	855	813	787	762	751	762	776	852	947	1060	1143	1197
0910942	1245	1274	1282	1269	1228	1203	1141	1099	1056	998	930	856
0911941	805	762	723	711	702	713	715	763	846	948	1045	1119
0911942	1157	1165	1153	1044	1068	1055	1049	1066	1040	969	894	807
0912941	753	726	712	707	713	762	846	940	1033	1115	1186	1237
0912942	1272	1301	1320	1331	1341	1301	1259	1249	1205	1105	984	885
0913941	821	788	769	749	761	806	885	949	1007	1078	1139	1189
0913942	1227	1252	1270	1258	1220	1162	1132	1139	1108	1046	881	849
0914941	779	745	720	705	717	752	818	888	948	1035	1089	1132
0914942	1168	1199	1222	1237	1237	1199	1160	1161	1106	1018	890	795
0915941	731	696	675	673	676	719	789	845	909	973	1050	1091
0915942	1130	1168	1198	1234	1193	1184	1151	1146	1087	995	887	784
0916941	728	686	666	659	662	709	775	830	919	994	1055	1109
0916942	1172	1210	1235	1255	1246	1205	1179	1155	1095	1009	909	823
0917941	763	710	696	680	675	692	709	780	876	978	1056	1110
0917942	1154	1181	1186	1171	1162	1141	1126	1118	1080	1024	949	867
0918941	814	774	748	722	694	703	707	757	844	934	1014	1078
0918942	1118	1160	1181	1208	1198	1183	1154	1148	1092	1008	910	829
0919941	772	734	712	698	700	747	817	887	959	1032	1104	1159
0919942	1195	1235	1258	1270	1252	1219	1225	1221	1150	1054	933	835
0920941	772	727	710	697	709	752	841	897	934	997	1086	1132
0920942	1183	1236	1245	1255	1258	1221	1227	1214	1157	1059	942	857
0921941	794	764	734	727	727	770	851	904	956	997	1025	1040
0921942	1071	1083	1102	1098	1088	1051	1056	1058	1010	933	840	756
0922941	701	676	662	655	664	712	774	839	899	966	1008	1056
0922942	1107	1153	1186	1213	1221	1178	1160	1160	1101	1011	905	816
0923941	750	722	699	686	681	729	800	864	938	1024	1094	1140
0923942	1189	1237	1261	1280	1268	1220	1190	1166	1105	1022	929	840
0924941	778	743	725	703	701	715	728	775	871	971	1045	1098
0924942	1133	1163	1173	1183	1166	1133	1129	1112	1066	990	921	835
0925941	786	749	722	709	702	712	710	750	829	904	983	1027
0925942	1080	1094	1119	1099	1077	1058	1058	1035	1002	944	860	775
0926941	717	688	672	662	674	720	790	864	944	1021	1086	1144
0926942	1187	1228	1248	1261	1263	1231	1220	1201	1126	1025	901	805
0927941	730	699	675	659	669	708	779	840	912	994	1077	1123
0927942	1176	1219	1257	1281	1285	1254	1236	1214	1139	1031	906	807

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
0928941	746	698	675	663	674	709	791	848	926	1000	1090	1146
0928942	1209	1257	1288	1323	1326	1284	1263	1227	1152	1041	909	808
0929941	741	709	684	664	670	715	779	859	921	977	1024	1085
0929942	1138	1175	1194	1199	1192	1181	1191	1175	1118	1020	906	808
0930941	739	710	691	674	677	724	795	865	930	1023	1092	1143
0930942	1172	1200	1209	1207	1186	1145	1138	1112	1049	974	890	812
10 1941	753	716	695	672	664	683	704	746	817	880	938	968
10 1942	1003	1024	1009	996	983	974	974	960	920	873	813	755
10 2941	703	676	649	638	627	641	652	685	756	822	892	936
10 2942	981	1007	1027	1014	1013	1009	1023	1014	971	922	843	763
10 3941	708	677	659	652	668	715	790	858	938	993	1044	1077
10 3942	1108	1130	1140	1131	1112	1082	1096	1084	1032	949	846	750
10 4941	696	664	646	644	649	698	791	832	874	905	937	951
10 4942	959	965	959	957	947	954	989	989	951	882	800	735
10 5941	685	664	644	629	638	681	757	805	866	920	960	972
10 5942	998	1026	1039	1040	1037	1003	1025	994	942	865	771	690
10 6941	645	614	600	594	604	658	734	751	801	830	868	893
10 6942	905	940	958	960	940	917	951	947	913	840	751	681
10 7941	645	619	609	603	612	659	732	776	813	857	891	906
10 7942	922	944	953	952	947	919	935	917	869	815	742	678
10 8941	637	618	599	593	590	606	624	655	723	769	818	842
10 8942	860	876	888	900	894	882	901	885	852	804	752	694
10 9941	660	631	605	600	592	605	608	633	681	728	795	796
10 9942	817	841	849	866	866	867	898	879	840	789	730	665
1010941	625	603	595	591	609	642	715	760	821	864	899	917
1010942	943	972	989	1003	1001	983	1005	983	924	850	755	689
1011941	642	625	614	599	614	665	740	783	817	865	916	949
1011942	970	1006	1022	1035	1041	1016	1046	1012	958	877	782	701
1012941	650	629	613	604	611	658	744	778	807	847	890	936
1012942	972	1005	1028	1040	1039	1019	1033	995	947	862	765	694
1013941	645	624	615	608	614	667	742	782	817	868	919	956
1013942	992	1020	1037	1047	1026	1001	1039	1009	950	877	785	712
1014941	656	634	617	615	619	666	734	769	814	847	876	897
1014942	897	896	869	844	811	805	856	871	825	792	729	672
1015941	630	612	594	595	591	615	651	678	732	766	786	790
1015942	790	789	791	791	818	842	866	845	812	776	723	671
1016941	641	625	613	607	617	622	639	665	705	721	745	768
1016942	756	764	763	770	787	838	871	860	832	759	725	668
1017941	625	614	597	596	606	666	764	808	813	824	827	822
1017942	823	819	817	810	804	829	904	897	865	805	728	652
1018941	612	598	589	592	606	664	760	788	790	803	819	821
1018942	819	833	837	838	842	852	918	897	863	807	719	648
1019941	608	591	581	589	600	648	745	782	790	817	841	855
1019942	862	865	864	861	859	873	927	908	871	814	725	653
1020941	612	596	584	583	594	652	747	785	811	832	858	877
1020942	897	885	898	904	895	900	949	924	884	823	734	665
1021941	618	600	584	581	590	653	742	775	805	831	865	877
1021942	892	908	912	908	893	885	925	889	847	798	729	660
1022941	620	596	583	579	582	603	634	666	720	760	790	791
1022942	791	796	802	793	795	816	866	841	811	764	711	654
1023941	614	591	577	572	574	586	606	628	678	722	749	778
1023942	790	789	797	798	802	831	868	851	817	767	705	645
1024941	602	585	584	578	589	639	724	765	815	864	891	911
1024942	928	941	957	958	942	931	974	946	890	824	733	654

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
1025941	610	590	577	572	587	645	728	770	787	828	861	887
1025942	900	917	927	926	927	917	963	936	888	829	733	659
1026941	617	597	589	581	592	645	724	761	783	819	849	868
1026942	890	915	926	933	921	917	964	928	887	826	736	681
1027941	634	614	601	603	608	667	752	762	785	819	858	881
1027942	890	911	926	930	919	919	961	934	889	832	746	677
1028941	623	598	591	589	597	650	739	771	804	845	880	897
1028942	909	927	938	942	925	916	942	901	860	808	734	666
1029941	624	592	578	571	576	599	619	654	702	756	786	804
1029942	818	826	839	840	841	860	896	856	824	779	715	660
1030941	624	599	588	578	574	590	601	620	673	725	764	784
1030942	801	812	813	808	808	833	875	851	812	766	703	636
1031941	600	583	573	569	582	632	726	760	790	817	854	876
1031942	891	904	909	919	906	906	919	882	858	804	719	647
11 1941	615	593	577	572	581	636	726	751	775	799	825	847
11 1942	857	867	866	852	857	885	930	896	853	809	729	656
11 2941	617	595	586	581	592	648	741	783	802	824	842	848
11 2942	849	858	852	856	849	879	932	907	871	815	737	663
11 3941	622	606	597	590	600	643	738	775	793	817	831	842
11 3942	832	821	822	814	821	853	908	885	850	794	719	649
11 4941	613	595	592	598	618	686	795	826	825	827	839	823
11 4942	821	817	800	800	796	839	884	875	841	806	745	690
11 5941	649	632	623	623	631	666	709	748	783	800	787	785
11 5942	777	761	746	741	747	794	848	818	794	760	715	664
11 6941	628	605	600	600	604	624	651	676	708	732	750	759
11 6942	762	765	766	769	774	824	876	843	815	767	703	642
11 7941	601	588	577	579	586	646	748	785	801	825	836	835
11 7942	842	843	832	815	810	858	916	896	874	805	729	662
11 8941	634	618	610	608	615	669	764	776	781	800	810	815
11 8942	814	816	817	805	812	849	910	886	846	801	721	655
11 9941	626	609	607	607	623	691	793	826	823	832	834	837
11 9942	831	838	844	843	841	876	929	899	861	815	730	663
1110941	622	607	600	589	612	669	768	806	812	829	848	855
1110942	864	877	869	855	864	872	908	879	853	796	734	669
1111941	627	598	590	588	599	630	701	753	815	842	862	865
1111942	858	830	828	826	811	850	883	847	820	765	705	644
1112941	594	572	560	561	573	571	614	639	693	717	742	732
1112942	717	711	701	693	698	761	808	788	773	736	702	647
1113941	609	599	591	593	596	615	653	677	712	733	744	747
1113942	737	734	727	721	730	804	867	846	819	779	715	655
1114941	624	610	609	616	640	718	844	877	873	860	855	845
1114942	830	820	803	802	806	870	932	906	878	829	754	679
1115941	635	628	626	631	647	736	854	874	845	825	825	810
1115942	804	806	800	794	800	856	919	894	858	806	730	657
1116941	618	601	594	597	614	679	788	822	817	826	823	825
1116942	829	817	806	798	808	867	915	889	861	815	727	675
1117941	627	613	611	609	635	713	816	849	858	851	844	838
1117942	830	821	806	804	812	879	939	923	899	859	784	704
1118941	663	654	662	660	680	771	891	926	904	886	867	856
1118942	846	834	824	814	804	864	909	878	854	816	764	701
1119941	659	640	638	643	644	711	764	824	877	910	880	851
1119942	821	800	786	782	805	903	966	943	928	904	860	807
1120941	772	760	743	744	759	791	834	880	903	897	872	848
1120942	825	791	774	767	790	891	948	941	922	886	817	756

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
1121941	722	712	715	725	759	843	973	1015	982	951	924	889
1121942	860	850	835	820	820	903	958	941	918	870	791	712
1122941	672	652	650	649	670	745	862	898	899	886	881	869
1122942	862	865	841	853	859	937	970	948	906	858	778	701
1123941	654	638	634	626	653	709	824	862	859	856	844	840
1123942	839	836	832	817	813	871	895	873	852	802	743	673
1124941	628	612	602	602	608	629	675	703	755	779	796	791
1124942	785	750	726	697	688	725	749	743	733	727	680	638
1125941	611	589	581	577	587	620	671	715	756	800	815	799
1125942	790	779	764	756	767	824	844	823	808	784	739	686
1126941	651	632	624	620	628	654	702	737	779	790	791	780
1126942	763	746	736	721	727	806	850	826	800	777	733	681
1127941	642	623	615	617	630	665	706	747	779	797	803	792
1127942	780	769	757	746	768	868	934	934	921	869	816	745
1128941	712	707	715	726	760	846	967	1015	997	972	945	904
1128942	885	866	841	829	845	948	1002	1001	982	939	858	782
1129941	737	727	739	747	773	873	1001	1018	978	949	913	879
1129942	860	848	832	820	829	920	983	976	946	902	825	744
1130941	701	696	697	708	734	821	947	980	946	919	893	875
1130942	848	836	831	821	816	885	941	927	901	861	780	711
12 1941	671	664	661	669	694	774	897	928	900	874	853	841
12 1942	827	823	817	811	810	873	923	898	878	837	759	693
12 2941	656	642	641	651	673	758	882	920	896	880	860	846
12 2942	833	823	822	812	804	869	905	892	864	829	772	708
12 3941	668	659	654	658	669	715	764	811	857	849	836	807
12 3942	790	769	749	744	765	850	881	855	831	800	749	693
12 4941	667	656	646	647	654	678	720	752	780	793	789	785
12 4942	772	764	753	758	800	880	901	882	861	819	751	682
12 5941	645	625	611	616	634	698	806	871	884	898	903	909
12 5942	910	891	893	892	914	974	991	956	918	870	783	701
12 6941	667	638	633	636	658	726	834	864	855	853	845	839
12 6942	826	823	814	803	807	883	941	924	896	852	769	682
12 7941	649	631	635	640	663	737	857	902	889	867	854	843
12 7942	831	827	820	815	814	886	951	928	908	857	778	696
12 8941	659	637	636	635	651	717	835	876	862	855	838	819
12 8942	812	805	793	789	812	902	967	953	929	882	807	725
12 9941	691	684	675	679	714	796	935	973	947	921	897	866
12 9942	846	829	820	807	815	903	961	945	929	901	847	777
1210941	729	720	717	725	743	791	853	907	943	944	903	868
1210942	830	805	789	799	820	912	954	920	906	865	813	750
1211941	704	674	656	654	660	710	734	797	821	820	806	794
1211942	767	747	734	732	758	857	924	914	893	856	773	694
1212941	654	638	644	650	672	747	872	923	921	911	904	889
1212942	870	865	849	846	874	965	1010	987	954	914	832	744
1213941	701	694	690	700	723	796	926	958	915	881	860	834
1213942	817	801	792	779	795	899	971	960	938	899	812	737
1214941	693	681	682	699	729	817	941	982	953	923	899	872
1214942	848	833	820	817	829	918	1000	996	967	924	842	756
1215941	714	701	697	708	739	828	961	1001	970	938	908	866
1215942	849	838	822	819	826	914	997	981	970	933	855	775
1216941	733	721	719	730	751	831	962	1007	983	955	916	880
1216942	849	827	815	797	801	877	940	922	918	885	825	764
1217941	719	702	698	701	714	755	823	872	888	886	874	841
1217942	818	792	776	770	767	847	909	890	874	855	803	736

RETDEM94.XLS

HOURLY RETAIL DEMAND - EEI FORMAT (MW'S)

ITEM A (1A)

	1	2	3	4	5	6	7	8	9	10	11	12
1218941	695	675	668	667	673	699	746	775	805	807	795	786
1218942	774	755	752	745	760	840	909	894	877	843	775	694
1219941	642	627	628	638	663	737	855	902	901	887	871	845
1219942	846	835	825	820	817	897	965	937	911	881	804	718
1220941	669	653	655	671	701	776	883	936	920	898	875	848
1220942	829	818	812	807	810	877	952	942	929	895	809	726
1221941	678	660	663	672	694	771	872	918	911	895	877	852
1221942	823	821	814	807	802	878	946	924	903	869	796	710
1222941	668	643	636	640	660	720	814	857	867	860	852	844
1222942	829	817	809	804	834	925	956	943	926	884	810	721
1223941	675	638	625	622	637	688	775	834	866	885	876	859
1223942	846	816	793	789	808	876	920	894	876	852	800	729
1224941	674	642	628	620	629	643	682	732	779	809	808	787
1224942	770	749	741	737	757	823	842	809	783	762	741	685
1225941	640	615	591	593	583	603	616	645	667	671	662	658
1225942	653	647	637	635	638	712	732	732	727	713	672	613
1226941	584	557	557	558	568	596	634	682	744	800	832	833
1226942	820	826	821	813	824	896	937	927	906	861	786	720
1227941	672	652	641	644	658	715	790	837	860	858	844	823
1227942	812	785	772	758	770	858	937	922	896	855	796	716
1228941	667	656	650	664	679	745	824	875	886	878	868	839
1228942	809	780	773	767	767	849	924	911	888	853	787	710
1229941	662	648	645	655	672	726	812	870	894	882	875	863
1229942	844	832	827	813	812	867	945	929	911	869	798	719
1230941	682	672	664	668	701	749	826	880	907	908	895	877
1230942	837	818	792	783	797	886	962	939	925	897	843	772
1231941	731	713	702	706	723	749	804	847	881	868	849	821
1231942	783	760	736	720	738	831	902	879	852	828	791	761

RETDEM94.XLS

SALES FOR RESALE
1994

ITEM A 1(b)

The following pages contain the hourly sales for resale by company by month. The data includes Tucson Electric Power Company total sales and sales to Citizens Utilities Company, City of Colorado Springs, Navajo Tribal Utility Authority, Nevada Power Company, and Salt River Project.

These data are also provided in file tot1994.xls, citu1994.xls, ccs94.xls, ntua94.xls, ntua94.xls, npc94.xls, and srp94.xls.

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JANUARY 1994																									
1	102	99	99	99	99	92	88	88	87	38	37	44	41	37	37	26	28	35	43	47	59	108	103	98	1,634
2	99	96	96	96	97	100	86	87	86	36	50	49	48	48	46	49	35	41	45	56	61	106	105	102	1,720
3	102	106	106	109	113	109	115	220	217	165	160	164	158	109	55	102	99	106	115	117	129	175	170	169	3,190
4	162	107	108	109	111	111	163	270	214	110	107	112	109	110	109	99	98	104	210	214	128	175	173	167	3,380
5	159	108	108	108	110	111	157	260	259	107	105	111	110	109	106	100	98	104	211	205	125	175	169	162	3,377
6	110	110	111	112	110	109	263	266	263	111	112	117	113	115	110	99	100	103	215	220	129	176	124	118	3,416
7	109	113	111	114	114	111	165	269	269	216	212	178	126	127	121	105	103	108	213	214	229	170	165	166	3,828
8	160	160	161	161	161	156	255	255	252	203	201	213	211	210	108	91	90	193	198	201	214	264	211	158	4,487
9	157	155	157	157	158	155	245	246	245	195	209	206	161	105	108	108	98	103	207	218	224	269	164	159	4,209
10	157	161	157	157	158	151	253	257	259	206	203	211	207	107	107	97	97	201	209	214	224	270	264	109	4,436
11	107	106	104	106	109	105	257	259	254	199	198	207	201	98	97	84	87	190	196	202	214	262	255	252	4,149
12	150	152	150	152	152	148	254	256	253	201	98	104	104	103	95	91	89	95	103	104	118	166	162	155	3,455
13	98	100	100	102	101	96	245	255	252	102	96	54	53	51	47	42	37	40	95	103	115	160	108	101	2,553
14	98	99	99	101	101	100	252	252	251	149	95	98	98	96	91	83	81	85	95	96	108	157	156	150	2,991
15	91	141	141	142	143	138	133	134	130	85	82	95	93	92	91	25	26	31	85	90	101	150	148	96	2,483
16	94	142	142	91	93	94	82	134	136	186	202	98	98	96	94	43	28	33	93	98	107	153	151	147	2,635
17	147	96	98	99	101	97	142	247	244	196	189	201	199	196	192	183	182	187	199	204	215	262	210	153	4,239
18	98	99	99	97	99	98	202	251	252	202	198	202	100	101	95	92	86	90	97	101	113	163	159	154	3,248
19	99	97	101	100	102	100	251	253	249	199	96	101	100	99	95	39	37	39	49	101	111	160	154	98	2,830
20	94	95	92	99	102	95	101	153	199	95	96	101	98	96	96	88	87	89	97	100	63	110	107	107	2,460
21	101	97	96	97	101	97	147	248	249	93	41	49	50	44	42	32	33	37	91	95	110	157	155	150	2,412
22	95	96	95	96	100	94	139	138	239	188	86	97	99	44	41	25	26	33	92	94	106	156	152	97	2,428
23	96	96	95	96	97	94	85	86	87	41	55	52	49	47	44	41	28	35	95	102	108	154	100	94	1,877
24	93	92	92	96	95	95	151	151	152	99	100	59	58	58	58	51	49	54	60	113	125	172	170	163	2,406
25	109	105	108	111	112	107	214	216	212	110	56	114	216	214	116	111	110	114	223	223	234	278	172	169	3,754
26	166	163	115	118	267	264	268	267	267	215	164	118	66	70	66	64	58	61	168	170	177	225	221	115	3,853
27	112	111	110	113	115	215	268	268	265	210	206	166	209	214	211	102	104	208	216	220	234	278	274	170	4,599
28	112	110	110	112	112	109	215	119	116	63	64	70	115	112	112	106	106	108	112	113	128	178	173	169	2,844
29	163	113	112	114	113	109	157	257	260	214	210	221	218	162	112	97	99	102	212	215	177	175	170	165	3,947
30	159	161	159	160	161	161	198	253	258	209	221	220	217	214	119	117	101	107	114	123	133	177	169	167	4,078
31	112	110	113	115	116	113	267	271	266	115	115	124	118	119	117	107	106	109	119	124	137	183	180	172	3,428
	3,711	3,596	3,545	3,539	3,723	3,734	5,818	6,686	6,742	4,558	4,064	3,956	3,843	3,403	2,938	2,499	2,406	2,945	4,277	4,497	4,456	5,764	5,194	4,452	100,346

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
FEBRUARY 1994																									
1	167	120	118	169	171	276	286	272	279	229	219	117	111	106	103	105	105	110	117	118	229	280	178	174	4,159
2	168	120	118	119	223	273	283	275	273	236	142	134	115	111	108	105	106	110	218	221	236	284	277	173	4,428
3	162	166	166	166	213	220	285	273	267	231	235	232	114	108	105	102	104	110	116	120	133	180	174	171	4,153
4	164	161	160	111	113	168	281	269	267	230	235	234	216	111	110	109	109	111	167	215	229	277	273	167	4,487
5	159	158	157	158	158	158	162	262	152	116	119	117	99	102	99	98	99	96	102	104	114	164	166	161	3,280
6	160	161	159	156	159	159	264	264	258	222	220	220	102	99	96	99	101	106	213	218	224	173	168	161	4,162
7	163	163	165	167	167	170	181	172	166	129	134	134	118	216	214	209	213	217	224	241	246	278	273	166	4,526
8	164	164	112	112	114	120	282	267	263	229	230	231	213	206	207	203	203	210	211	235	247	278	276	219	4,996
9	168	115	113	110	114	118	228	268	262	227	232	231	212	209	158	132	131	105	215	233	245	276	269	168	4,539
10	166	114	114	115	117	220	282	270	264	224	229	224	209	203	201	101	151	178	212	231	243	278	273	267	4,886
11	114	111	111	110	116	169	277	271	269	234	237	236	217	205	203	198	206	208	215	234	147	180	176	172	4,616
12	165	160	163	163	165	267	270	266	256	219	226	220	202	200	195	199	199	201	205	220	235	220	168	166	4,950
13	161	159	159	159	157	159	162	266	259	224	224	221	201	151	99	102	97	103	209	230	239	271	268	162	4,442
14	161	165	165	168	166	172	284	267	263	226	231	228	209	202	205	198	201	204	212	234	248	280	274	166	5,129
15	161	159	159	163	165	168	279	263	260	214	219	212	203	201	206	203	199	205	213	221	234	276	168	163	4,914
16	158	107	108	111	114	118	279	263	261	217	218	216	207	204	203	199	197	199	208	217	232	275	269	160	4,740
17	161	160	159	158	159	161	168	156	158	111	217	216	207	202	202	201	200	205	211	220	232	271	267	161	4,563
18	158	158	154	155	161	165	277	263	260	214	217	215	207	202	201	200	101	102	107	115	127	170	164	159	4,252
19	154	154	157	157	158	159	159	258	248	203	210	209	202	200	198	197	198	201	203	210	221	215	160	154	4,585
20	151	151	150	152	152	151	203	254	245	200	200	199	192	141	92	88	91	97	202	208	166	158	152	150	3,945
21	149	157	159	110	111	164	266	251	256	212	217	217	212	206	205	206	203	204	215	223	238	277	172	165	4,795
22	159	159	161	163	165	272	283	268	261	211	213	217	211	203	206	207	210	213	218	227	238	282	274	168	5,189
23	166	162	165	164	266	270	280	269	266	219	223	222	211	208	205	205	205	205	211	220	231	274	172	163	5,182
24	161	160	160	165	164	270	277	265	270	216	222	219	213	205	205	201	202	197	209	217	231	270	169	163	5,031
25	157	160	159	160	159	167	273	258	253	207	210	209	202	199	196	192	192	193	199	208	220	214	162	156	4,705
26	155	155	153	156	109	108	162	163	251	153	111	109	98	97	92	96	93	96	200	210	222	214	160	149	3,512
27	144	142	146	98	98	101	96	98	96	51	53	53	47	45	40	40	41	46	102	110	120	158	153	98	2,176
28	99	104	106	107	112	114	123	210	210	116	121	118	114	111	206	200	202	202	210	222	236	178	170	166	3,757
	4,375	4,125	4,076	4,002	4,246	5,037	6,652	6,901	6,793	5,520	5,564	5,410	4,864	4,653	4,560	4,395	4,359	4,434	5,344	5,682	5,963	6,651	5,825	4,668	124,099

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MARCH 1994																									
1	163	112	111	111	113	118	218	263	262	216	213	212	208	208	206	209	207	200	206	214	211	172	168	165	4,486
2	162	113	110	110	110	114	216	263	260	214	165	165	209	211	212	211	208	196	203	210	213	171	169	111	4,326
3	107	107	108	109	112	115	112	111	109	63	65	113	111	117	112	115	110	149	204	210	108	170	165	161	2,963
4	107	108	105	106	110	112	108	102	152	106	207	105	101	178	179	125	98	189	193	200	201	209	157	105	3,363
5	99	100	102	101	101	100	105	104	100	50	141	139	113	71	70	44	45	85	91	145	146	204	153	95	2,504
6	92	93	93	92	93	91	95	96	97	45	37	33	34	40	39	37	40	32	88	195	94	105	98	92	1,851
7	95	102	104	106	109	110	109	258	259	214	165	113	213	216	212	213	211	208	213	211	210	267	263	159	4,340
8	104	106	107	112	110	111	208	257	256	212	213	211	206	57	58	60	62	51	159	159	83	118	116	109	3,245
9	107	104	104	108	110	111	263	259	254	164	112	109	110	58	55	57	58	49	152	110	112	170	166	159	3,061
10	158	109	110	105	106	109	109	109	107	54	59	60	108	106	102	100	104	96	101	105	106	164	158	104	2,549
11	101	103	106	106	107	107	104	104	105	62	63	109	109	112	83	108	101	46	55	59	56	115	112	109	2,242
12	107	104	105	102	105	103	108	107	110	59	173	101	96	55	52	51	48	40	150	204	105	116	113	107	2,421
13	106	104	105	104	104	103	105	107	112	56	52	54	48	55	50	51	48	40	48	56	56	117	112	107	1,900
14	103	106	104	105	106	111	109	110	111	68	168	164	164	166	162	162	160	145	152	161	161	119	111	107	3,135
15	104	106	105	106	108	113	110	107	104	58	58	58	54	55	50	56	55	143	147	154	153	112	109	104	2,329
16	102	100	99	100	100	108	107	107	108	63	64	65	59	58	57	59	58	96	198	204	203	163	159	107	2,544
17	102	100	100	100	102	107	106	104	106	59	60	60	159	205	208	208	207	192	196	201	201	162	108	102	3,255
18	101	99	98	97	99	104	103	106	107	111	112	111	109	112	107	108	106	95	148	202	150	159	156	154	2,854
19	151	98	99	99	96	97	103	107	106	54	46	92	89	99	101	103	103	93	98	201	200	159	158	98	2,650
20	95	95	94	94	94	96	95	97	99	49	40	36	37	44	43	45	43	84	189	197	148	158	101	98	2,171
21	96	100	98	99	102	109	111	211	261	215	212	209	211	209	211	207	211	197	197	205	204	265	161	106	4,207
22	103	103	105	100	100	152	253	258	257	213	215	209	211	210	211	206	210	199	200	208	206	266	161	156	4,512
23	154	105	101	103	100	107	205	206	259	165	214	212	211	210	210	210	206	196	200	207	206	266	212	158	4,423
24	154	106	104	105	106	111	261	264	259	215	213	209	206	202	204	205	203	193	196	201	200	258	253	148	4,576
25	144	144	94	97	101	105	151	252	252	209	207	206	198	202	198	200	199	188	191	194	195	254	151	97	4,229
26	90	89	89	89	91	92	96	94	193	141	129	125	122	133	130	131	80	72	124	133	135	198	168	87	2,831
27	84	81	83	83	82	85	84	87	90	37	27	29	27	33	32	33	32	22	25	133	132	195	89	84	1,689
28	90	94	93	94	93	98	94	144	246	201	201	202	199	149	149	96	96	85	188	196	194	155	102	97	3,356
29	93	93	94	95	94	99	92	91	96	48	51	48	47	46	40	42	43	31	34	192	192	154	99	96	2,010
30	93	92	91	92	92	99	91	92	93	44	95	96	91	93	94	95	95	86	89	94	93	154	149	96	2,299
31	92	92	93	93	94	98	88	91	92	47	48	96	90	90	39	37	88	77	79	186	87	148	92	85	2,122
	3,459	3,168	3,114	3,123	3,150	3,295	4,119	4,668	5,022	3,512	3,825	3,751	3,950	3,800	3,676	3,584	3,535	3,575	4,514	5,347	4,761	5,443	4,489	3,563	94,443

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
APRIL 1994																									
1	78	76	77	78	78	80	85	86	88	24	22	20	20	20	19	19	17	15	16	23	25	74	84	77	1,201
2	78	77	78	79	81	81	80	83	81	31	29	26	22	18	17	18	18	11	15	24	25	85	82	81	1,220
3	77	76	78	77	80	81	82	83	84	32	30	29	26	24	25	24	18	19	21	27	27	84	81	77	1,262
4	75	75	75	75	78	86	89	91	91	26	24	74	73	73	19	18	68	70	72	79	77	122	133	105	1,768
5	80	84	85	90	97	106	110	113	112	49	46	43	45	41	38	37	34	31	36	166	192	238	148	94	2,115
6	94	92	92	92	97	109	109	111	108	44	92	90	90	38	36	32	30	31	34	43	41	87	94	90	1,776
7	90	91	89	93	95	104	108	110	110	43	42	89	91	90	87	82	79	82	135	192	142	137	97	92	2,370
8	93	89	88	89	94	105	107	162	162	95	89	84	86	85	85	85	84	82	83	89	88	85	94	88	2,291
9	87	88	87	90	91	93	94	94	94	117	140	183	180	29	29	28	32	26	29	35	85	142	89	81	2,043
10	81	80	80	80	81	81	80	85	88	39	39	39	38	35	35	33	26	27	79	134	83	137	85	83	1,648
11	88	89	89	89	93	107	159	114	115	100	98	94	97	90	89	88	84	85	89	93	95	140	148	94	2,427
12	94	94	95	97	100	105	111	164	209	196	191	191	190	188	187	182	180	179	183	192	189	239	246	91	3,893
13	90	94	92	90	98	107	108	158	257	194	191	188	192	186	190	186	188	182	182	189	186	234	143	88	3,813
14	87	89	89	88	93	103	152	255	255	190	188	183	185	184	182	178	178	178	177	184	189	184	140	86	3,817
15	86	85	86	88	91	101	101	150	145	81	77	77	76	124	173	171	170	168	171	177	178	126	135	128	2,965
16	80	81	82	81	83	87	138	90	88	87	86	179	174	172	173	172	173	167	166	174	174	230	181	126	3,244
17	74	74	74	75	75	76	75	75	78	78	75	127	128	127	150	148	141	141	142	172	175	230	228	177	2,915
18	80	80	86	88	93	143	217	218	223	205	247	245	250	251	254	253	246	245	252	261	259	289	188	144	4,817
19	97	93	97	92	95	144	170	221	317	252	251	251	253	257	260	260	259	254	261	265	259	306	225	150	5,089
20	151	96	98	99	99	146	221	222	323	255	259	261	261	265	268	262	257	265	265	266	264	307	173	98	5,181
21	96	94	98	96	102	151	222	222	272	258	258	259	263	272	274	269	269	268	262	265	267	304	171	143	5,155
22	94	96	96	97	100	149	219	219	319	253	253	255	254	257	258	255	252	253	254	257	259	300	271	141	5,161
23	90	90	89	89	91	93	165	203	209	257	257	257	253	252	253	249	248	244	246	252	253	155	117	86	4,498
24	84	82	85	84	85	84	104	149	155	105	104	107	104	104	106	103	94	94	101	102	102	154	122	95	2,509
25	98	98	97	99	116	161	232	236	335	270	218	223	222	171	120	116	116	113	117	271	172	211	191	107	4,110
26	106	106	108	105	128	180	180	232	232	270	218	270	216	117	159	106	111	108	111	219	219	261	187	100	4,049
27	100	103	103	102	135	171	173	272	322	263	262	266	241	241	268	257	203	203	206	212	210	250	186	92	4,841
28	95	93	95	94	130	169	271	275	327	262	257	262	264	264	210	159	158	155	156	261	214	254	242	101	4,768
29	98	97	98	98	132	173	177	178	277	211	209	211	212	210	205	205	204	203	204	208	207	201	141	96	4,255
30	92	93	94	96	105	120	137	160	159	109	106	107	103	102	104	102	102	96	99	103	108	160	124	90	2,671
	2,713	2,655	2,680	2,690	2,916	3,496	4,276	4,831	5,635	4,396	4,358	4,690	4,609	4,287	4,273	4,097	4,039	3,995	4,164	4,935	4,764	5,726	4,546	3,101	97,872

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MAY 1994																									
1	85	87	86	88	89	90	90	103	122	87	82	82	71	61	102	103	157	161	169	207	192	229	102	91	2,736
2	95	98	99	101	103	110	112	113	204	153	149	143	142	146	195	193	191	194	195	201	205	249	256	155	3,802
3	103	104	98	101	106	113	117	170	254	202	202	198	200	199	202	196	193	191	192	198	202	244	155	102	4,042
4	103	102	102	103	105	114	118	119	200	197	197	196	198	195	194	194	192	193	189	197	201	247	157	101	3,914
5	103	104	100	98	100	106	111	114	100	201	199	195	197	194	197	195	195	191	191	194	200	147	156	100	3,688
6	100	101	100	100	103	112	112	114	147	97	96	195	142	41	92	139	188	184	61	40	47	92	101	97	2,601
7	97	97	96	96	97	100	92	93	98	49	45	45	40	39	26	27	26	26	24	40	47	100	90	83	1,573
8	81	81	81	81	83	80	80	85	84	34	32	30	30	25	19	19	11	13	17	35	39	83	80	79	1,282
9	84	86	86	87	90	98	100	107	94	44	43	42	42	38	37	34	32	32	33	35	38	82	91	88	1,543
10	86	86	91	92	96	104	104	102	92	42	41	39	39	90	37	33	33	34	37	90	91	134	143	89	1,825
11	93	92	91	92	95	102	104	107	93	44	40	39	39	37	36	36	36	35	36	41	41	87	94	90	1,600
12	89	89	93	92	96	102	103	155	141	90	90	137	188	187	185	183	184	182	183	185	188	235	142	136	3,455
13	89	89	90	90	94	104	110	113	100	46	42	41	91	89	134	183	182	181	181	189	189	237	247	239	3,150
14	88	89	93	93	93	95	95	99	99	48	193	188	190	191	183	182	184	182	180	196	199	252	244	136	3,592
15	136	137	83	135	133	83	84	87	187	136	139	190	191	188	177	176	176	178	177	196	201	246	241	240	3,917
16	145	145	96	98	104	112	114	166	250	196	198	193	193	197	198	194	184	184	186	194	153	197	207	100	4,004
17	100	98	95	99	102	103	106	111	147	100	151	196	197	195	198	191	192	144	141	147	151	95	104	100	3,263
18	99	96	97	98	103	107	111	114	100	96	145	193	193	196	199	193	193	191	191	96	101	99	107	101	3,219
19	101	97	100	99	105	109	113	114	102	150	149	145	48	47	47	44	42	40	43	47	51	98	108	101	2,100
20	102	99	99	101	103	111	113	113	102	49	47	43	42	146	145	193	137	136	138	143	148	95	105	100	2,610
21	100	99	101	100	98	101	99	101	101	48	150	149	144	136	134	134	134	133	136	149	151	204	93	83	2,878
22	83	83	83	85	86	85	87	89	90	40	37	139	139	133	122	123	123	122	124	141	147	193	90	93	2,537
23	99	97	98	99	102	109	109	113	251	199	201	197	197	192	198	196	195	193	194	196	201	246	257	152	4,091
24	99	99	98	101	97	107	114	261	246	197	197	196	193	95	96	93	90	91	92	92	97	141	102	98	3,092
25	97	96	96	94	94	101	109	113	97	49	47	45	45	44	45	44	43	38	41	46	49	93	103	99	1,728
26	98	99	98	97	101	107	113	114	101	48	48	45	43	45	44	42	42	42	43	47	48	96	103	95	1,759
27	94	96	96	99	99	100	105	109	95	118	195	191	193	188	189	186	186	183	184	187	193	187	92	83	3,448
28	82	81	83	84	84	86	87	88	85	87	188	187	183	182	172	172	171	172	172	176	190	241	187	84	3,324
29	83	81	83	83	84	84	86	85	87	37	187	189	187	183	171	172	174	175	176	191	194	242	89	83	3,206
30	82	79	80	79	80	80	84	87	87	38	137	187	182	183	173	174	173	173	173	183	191	240	237	88	3,270
31	92	90	87	89	92	97	103	257	240	192	197	196	196	200	200	195	193	190	192	195	201	240	250	97	4,081
	2,988	2,977	2,879	2,954	3,017	3,112	3,185	3,716	4,196	3,114	3,864	4,251	4,175	4,082	4,147	4,239	4,252	4,184	4,091	4,274	4,346	5,371	4,533	3,383	91,330

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JUNE 1994																									
1	99	95	93	93	96	99	103	105	106	71	72	69	72	119	120	220	220	218	217	215	123	144	150	94	3,013
2	93	94	91	85	95	100	105	107	108	171	170	164	221	221	222	219	216	213	209	208	220	244	154	148	3,878
3	97	96	96	99	98	100	100	155	207	221	220	220	221	221	221	220	221	218	217	218	222	246	203	96	4,233
4	91	94	95	95	95	97	95	102	101	163	163	118	112	209	210	207	206	207	204	101	107	152	144	88	3,256
5	89	86	87	89	89	88	86	91	93	54	56	59	52	103	104	101	101	99	96	92	106	99	95	92	2,107
6	95	93	92	93	96	97	102	107	159	224	225	225	227	221	220	220	219	218	220	122	76	98	105	97	3,651
7	99	97	99	102	101	104	99	102	155	218	218	214	216	215	220	215	216	215	219	220	227	248	155	150	4,124
8	100	96	98	99	97	100	104	107	258	223	222	216	220	222	221	223	221	218	216	217	223	247	256	101	4,305
9	102	101	99	101	99	100	107	107	110	223	223	223	224	221	223	221	217	221	219	220	126	147	156	151	3,941
10	148	98	99	100	99	104	103	109	158	123	126	173	223	223	226	225	224	216	217	219	224	245	206	148	4,036
11	147	145	147	148	149	147	96	98	150	112	115	171	212	214	215	213	213	210	204	201	106	154	148	139	3,854
12	88	86	87	86	88	86	87	87	92	52	58	109	204	105	109	209	212	205	99	94	106	148	147	93	2,737
13	91	93	95	95	98	101	102	109	110	124	228	224	226	224	227	225	221	220	216	217	223	198	157	151	3,975
14	100	99	97	98	96	101	105	159	262	224	223	220	219	224	221	224	218	217	218	118	122	141	151	146	4,003
15	98	99	97	100	102	101	104	113	160	122	125	121	121	123	122	117	121	120	116	118	126	97	105	100	2,728
16	103	99	99	98	99	103	103	107	107	73	75	73	73	72	75	125	121	119	117	119	124	142	152	150	2,528
17	99	100	101	101	101	103	105	108	109	69	69	120	121	119	119	120	117	114	114	115	117	142	151	146	2,680
18	92	91	96	92	94	95	98	102	103	118	121	221	213	212	216	213	214	211	210	207	207	252	246	90	3,814
19	89	87	86	87	85	86	88	94	96	58	212	215	206	205	205	155	155	147	93	90	103	144	91	89	2,966
20	90	96	96	100	98	99	104	109	263	226	226	125	125	126	128	122	121	119	120	118	123	147	104	99	3,084
21	100	101	99	99	99	100	105	109	164	126	125	125	123	125	127	123	117	116	117	116	120	141	150	96	2,823
22	97	98	98	97	97	102	155	159	158	221	225	221	225	229	236	234	229	226	220	217	220	242	254	149	4,409
23	100	99	99	98	100	102	155	155	157	220	225	225	225	223	231	235	229	224	221	216	219	243	253	147	4,401
24	96	98	96	98	99	101	153	159	259	218	217	217	218	222	216	216	215	215	217	218	218	237	245	141	4,389
25	138	86	86	88	88	89	92	93	143	111	211	215	208	208	207	207	206	204	203	197	200	247	243	140	3,910
26	137	86	88	90	90	86	87	92	93	102	108	209	206	208	207	203	206	199	199	195	208	249	245	138	3,731
27	138	87	87	88	89	93	148	151	151	117	219	227	224	224	223	222	222	217	167	116	121	137	145	141	3,754
28	141	136	139	139	140	145	147	150	253	223	223	223	227	224	225	224	222	220	219	220	226	237	247	243	4,793
29	141	140	139	141	140	145	148	153	251	214	214	222	221	220	221	221	220	214	214	212	217	238	242	139	4,627
30	87	87	89	89	89	95	146	148	250	216	214	214	215	214	213	213	211	207	207	207	215	238	248	143	4,255
	3,185	2,963	2,970	2,988	3,006	3,069	3,332	3,547	4,786	4,637	5,128	5,378	5,600	5,696	5,730	5,892	5,851	5,767	5,525	5,143	4,975	5,644	5,348	3,845	110,005

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JULY 1994																									
1	141	88	90	88	81	83	88	144	199	211	211	212	210	213	215	213	212	205	207	211	210	183	92	89	3,896
2	84	83	84	84	86	85	90	91	91	216	215	202	200	201	200	197	198	197	200	200	205	242	237	86	3,774
3	85	85	83	84	82	83	84	88	89	165	214	214	202	202	202	201	202	200	201	211	215	140	89	84	3,505
4	82	82	81	82	82	79	86	84	86	62	62	111	101	100	102	101	100	98	99	50	66	89	89	84	2,058
5	84	81	81	81	82	82	89	95	96	61	211	211	212	212	213	215	207	207	207	208	214	137	95	91	3,472
6	87	87	85	87	87	88	95	99	101	64	64	63	114	114	192	140	135	134	109	59	66	88	95	92	2,345
7	92	87	86	89	89	90	97	98	101	65	61	110	111	163	213	213	210	209	204	204	110	133	93	89	3,017
8	86	83	82	85	88	88	94	100	100	66	65	214	213	212	215	217	217	215	207	209	210	183	191	136	3,576
9	133	85	84	84	85	83	86	87	91	111	111	197	198	198	197	196	197	197	197	197	201	137	131	127	3,410
10	77	76	77	75	77	73	78	80	81	57	107	209	196	196	197	195	196	197	197	210	215	135	131	77	3,209
11	82	81	81	85	86	86	87	89	142	109	107	138	211	211	211	205	206	204	200	203	208	230	236	83	3,581
12	82	84	81	84	86	86	89	95	247	213	210	209	208	208	209	206	206	206	205	204	210	181	138	82	3,829
13	82	83	83	83	84	87	90	146	150	116	169	215	217	218	218	215	214	215	213	214	217	140	92	90	3,651
14	93	95	94	95	95	99	103	107	158	122	221	219	222	219	223	218	217	219	217	220	225	141	151	148	3,921
15	97	97	98	98	98	98	101	108	159	124	222	219	222	220	222	221	218	218	214	218	222	144	149	145	3,932
16	142	141	94	94	93	93	94	96	100	76	78	164	215	215	216	212	208	210	210	212	216	252	148	92	3,671
17	91	94	92	92	90	89	92	97	102	75	124	225	210	209	212	213	213	161	111	77	79	99	97	91	3,035
18	92	89	88	92	93	98	103	106	110	122	123	122	121	121	124	122	120	116	118	117	122	93	100	95	2,607
19	96	91	91	94	97	100	98	98	102	66	68	215	216	217	220	209	209	207	107	60	61	81	87	84	2,974
20	86	81	84	83	85	89	92	101	158	121	119	171	220	220	222	221	217	213	113	117	121	140	96	93	3,263
21	93	95	97	97	96	97	101	104	157	120	123	172	228	228	227	227	227	227	226	229	231	242	252	250	4,146
22	149	97	95	97	96	100	102	108	156	125	121	122	220	220	222	215	214	216	217	119	122	145	100	92	3,470
23	92	94	94	91	93	92	94	96	96	72	72	104	156	208	209	211	212	210	213	164	118	102	98	92	3,083
24	92	92	89	93	92	93	96	96	99	74	200	221	207	212	214	211	212	211	212	130	133	152	99	95	3,425
25	91	93	93	98	96	98	103	105	160	129	127	222	225	223	224	223	219	217	219	221	226	245	252	148	4,057
26	97	97	97	95	96	99	104	255	257	220	220	220	223	224	230	230	229	227	229	226	231	241	153	149	4,449
27	98	93	93	95	97	99	105	256	258	223	220	221	224	224	222	218	221	217	219	220	225	245	251	148	4,492
28	148	145	144	146	146	152	202	254	257	223	227	225	225	224	224	224	217	219	219	220	225	245	256	150	4,917
29	146	144	95	95	95	95	148	152	157	220	219	217	220	222	219	216	214	214	214	216	222	244	255	251	4,490
30	97	96	98	99	97	97	101	152	249	224	227	213	212	214	212	202	206	207	208	217	218	254	251	98	4,249
31	98	95	94	92	92	92	94	94	97	122	170	221	210	210	211	208	208	210	215	227	231	255	251	246	4,043
	3,095	2,914	2,808	2,837	2,842	2,873	3,086	3,681	4,406	3,974	4,688	5,798	6,169	6,278	6,437	6,315	6,281	6,203	5,927	5,590	5,575	5,338	4,755	3,677	111,547

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
AUGUST 1994																									
1	96	94	93	94	96	100	201	256	249	223	225	224	225	224	228	223	217	216	216	220	225	245	151	146	4,487
2	95	96	99	98	97	93	99	104	243	221	220	221	221	222	227	223	217	218	217	220	222	248	257	152	4,330
3	151	99	99	99	102	103	103	107	246	224	225	222	220	218	217	218	217	218	219	223	226	250	258	201	4,465
4	152	100	98	99	100	101	102	107	150	124	228	226	225	225	229	226	224	221	221	223	227	246	156	150	4,160
5	104	100	102	101	97	100	154	160	150	222	223	224	225	225	229	234	232	222	218	219	224	246	155	144	4,310
6	145	143	143	141	144	147	146	144	149	213	210	208	209	205	207	204	205	208	210	213	228	252	146	142	4,362
7	91	93	92	92	93	92	88	90	93	170	219	221	207	205	204	203	203	200	108	125	118	147	142	143	3,439
8	93	90	93	95	97	98	100	151	141	114	215	215	212	213	212	112	110	108	108	61	65	85	92	87	2,967
9	86	85	86	86	87	92	88	90	81	205	205	204	203	203	204	203	203	203	202	206	212	235	142	140	3,751
10	89	89	87	86	89	92	92	95	189	213	216	215	210	209	208	209	205	205	205	205	111	136	144	138	3,737
11	139	89	91	94	89	145	146	149	245	219	218	224	225	225	227	223	222	221	220	220	214	244	256	248	4,593
12	147	148	150	149	104	104	103	210	249	226	228	226	227	226	230	227	222	215	216	222	224	250	160	152	4,615
13	101	96	98	100	101	104	101	102	149	167	215	214	216	215	214	213	214	215	216	218	233	259	153	145	4,059
14	96	94	93	94	95	94	96	96	94	221	225	227	214	209	209	207	209	210	213	230	231	154	147	96	3,854
15	98	96	97	98	102	105	107	107	247	223	233	231	234	228	235	231	232	228	225	229	233	247	156	149	4,371
16	100	97	97	100	101	105	105	154	191	218	218	219	218	218	221	224	225	221	221	224	228	248	157	150	4,260
17	100	98	99	98	98	106	160	162	149	124	226	227	227	226	223	225	224	223	224	225	225	245	153	148	4,215
18	149	98	96	99	100	104	105	108	150	125	224	221	229	226	226	223	220	215	218	224	223	145	152	100	3,980
19	98	99	98	100	101	105	103	108	149	173	178	176	174	167	176	173	172	171	170	173	176	94	102	97	3,333
20	97	95	97	97	98	100	101	100	101	217	212	211	200	205	209	206	209	209	210	214	228	151	145	143	3,855
21	92	90	92	93	92	93	96	100	100	124	226	225	211	212	212	210	213	214	213	231	133	153	147	99	3,671
22	101	98	98	99	103	110	107	114	149	176	181	177	230	229	232	229	226	218	218	225	229	148	155	99	3,951
23	101	96	98	102	101	110	110	102	195	169	170	170	173	175	175	223	219	217	220	224	226	97	108	102	3,683
24	103	99	98	99	100	109	114	115	99	178	177	173	175	225	226	224	221	220	223	228	227	246	154	101	3,934
25	98	99	99	100	105	110	113	164	151	224	224	226	228	227	226	219	220	220	221	127	126	149	154	101	3,931
26	102	99	102	101	101	107	109	114	104	177	230	229	232	229	229	224	224	220	219	227	224	246	154	147	4,150
27	94	89	91	93	98	99	102	103	102	170	168	215	215	214	211	210	207	213	214	220	232	256	103	98	3,817
28	97	95	95	94	97	100	99	97	103	81	183	232	219	217	216	212	211	213	217	235	235	256	150	99	3,853
29	98	98	99	100	105	110	107	112	155	227	227	227	226	227	227	224	223	219	220	223	225	246	105	104	4,134
30	101	100	99	101	102	110	104	107	148	222	225	222	226	227	230	224	226	221	221	229	229	249	153	102	4,178
31	105	98	100	102	104	113	213	262	254	227	228	225	228	226	228	226	221	222	223	228	179	193	103	98	4,406
	3,319	3,060	3,079	3,104	3,099	3,261	3,574	3,990	4,975	5,817	6,602	6,677	6,684	6,702	6,747	6,632	6,593	6,544	6,466	6,491	6,338	6,366	4,710	4,021	124,851

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
SEPTEMBER 1994																									
1	99	100	96	98	99	112	110	267	251	224	225	222	219	223	226	225	222	223	222	227	229	248	205	100	4,472
2	104	99	94	94	96	102	202	257	244	222	222	221	222	217	217	213	209	208	210	216	115	86	90	81	4,041
3	81	81	81	81	83	82	82	80	81	49	40	40	40	40	39	37	38	38	42	47	46	82	79	78	1,467
4	75	74	74	75	75	75	73	75	75	52	53	51	38	37	37	36	42	42	42	48	46	80	76	75	1,426
5	71	72	74	72	73	76	75	75	78	52	42	42	92	92	92	92	93	143	93	97	96	117	74	74	1,957
6	82	80	81	82	84	93	93	99	137	112	212	209	212	211	208	204	205	203	205	213	212	231	89	84	3,641
7	84	84	85	85	88	94	144	146	134	207	210	211	209	212	212	210	204	204	204	209	209	182	91	84	3,802
8	81	83	83	82	88	96	98	100	135	111	212	210	211	210	209	206	205	202	204	211	210	132	139	85	3,603
9	85	84	86	85	88	95	93	96	83	59	160	211	206	209	211	210	207	203	213	214	212	83	91	86	3,370
10	87	86	86	90	92	91	86	73	72	48	198	196	198	195	194	192	194	196	47	54	51	87	83	81	2,777
11	80	80	81	80	79	81	82	85	88	65	65	63	149	47	44	44	45	46	52	57	55	87	82	82	1,719
12	80	82	82	82	84	94	94	99	85	161	164	163	142	143	145	142	141	142	140	141	38	85	91	90	2,710
13	87	84	86	88	91	99	97	95	78	30	30	31	31	31	29	30	29	33	38	41	37	82	88	87	1,452
14	86	87	84	87	85	96	97	101	88	39	37	34	34	36	34	32	29	79	83	87	87	78	86	83	1,669
15	85	86	88	86	86	94	95	98	86	36	34	31	32	85	84	81	78	77	85	88	36	83	88	85	1,807
16	83	81	82	89	90	99	100	100	88	35	34	86	85	80	183	183	179	178	182	186	84	83	89	86	2,565
17	89	83	83	85	89	89	90	91	89	30	25	18	175	185	183	181	183	182	79	81	79	139	135	131	2,594
18	83	83	82	82	84	86	84	87	90	89	137	188	174	172	173	174	175	178	181	185	131	141	137	135	3,131
19	86	87	88	86	90	98	97	149	133	85	135	185	186	185	185	181	182	129	135	139	185	230	140	84	3,280
20	85	84	85	86	89	95	145	145	131	83	80	76	183	183	181	179	180	183	189	140	90	134	141	87	3,054
21	86	86	88	88	92	95	146	152	140	86	86	81	86	88	87	84	82	82	86	90	88	132	92	90	2,313
22	91	89	87	89	90	100	147	152	140	90	87	134	189	189	189	184	182	184	188	92	92	135	94	91	3,105
23	92	88	91	92	97	104	105	156	139	93	93	93	194	191	192	191	192	188	198	199	49	93	101	94	3,125
24	89	87	88	91	93	99	99	105	106	52	89	137	189	187	184	130	83	83	90	93	89	151	97	94	2,605
25	94	93	92	91	94	97	99	99	101	51	52	49	34	32	87	83	80	85	94	97	93	153	100	95	2,045
26	98	93	98	101	103	114	115	115	101	51	101	97	196	196	194	194	192	190	198	202	96	142	103	98	3,188
27	99	97	96	98	101	110	114	107	139	90	91	91	192	189	193	193	192	192	196	199	99	142	102	98	3,220
28	96	93	95	98	102	108	101	113	100	94	91	83	193	205	203	201	198	195	198	188	192	193	100	95	3,335
29	98	99	98	99	103	114	112	113	100	102	100	98	101	148	148	192	189	191	198	199	196	92	102	101	3,093
30	100	98	99	100	100	110	111	113	99	47	47	49	50	47	97	44	40	42	46	47	48	94	104	96	1,828
	2,636	2,603	2,613	2,642	2,708	2,898	3,186	3,543	3,411	2,545	3,152	3,400	4,262	4,265	4,460	4,348	4,270	4,321	4,138	4,087	3,290	3,797	3,089	2,730	82,394

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
OCTOBER 1994																									
1	97	94	97	96	98	99	96	94	94	44	44	40	90	92	45	45	43	38	43	48	48	98	89	85	1,757
2	85	82	83	85	86	89	89	88	89	40	38	38	38	42	42	45	42	39	44	48	45	92	89	88	1,546
3	94	94	96	98	103	110	115	110	111	57	52	47	98	150	154	152	150	142	149	148	148	109	100	98	2,685
4	98	98	98	100	105	115	115	114	113	147	144	144	94	48	49	46	48	39	50	51	48	104	102	99	2,169
5	97	97	96	98	101	108	114	113	111	103	50	47	48	55	54	51	52	44	51	56	51	108	104	102	1,911
6	102	99	99	102	106	113	117	114	115	104	98	99	49	51	49	49	47	49	52	57	53	112	107	101	2,044
7	100	98	98	99	103	112	118	120	115	56	51	46	47	46	45	47	45	42	51	53	51	110	106	99	1,858
8	97	96	95	95	98	99	101	100	100	48	47	46	43	42	41	41	40	41	48	52	53	98	94	88	1,703
9	86	86	87	88	88	90	91	92	90	42	41	40	38	35	35	34	33	36	44	45	44	92	92	94	1,543
10	98	101	102	103	106	110	113	118	111	52	50	44	46	45	47	46	46	47	53	56	54	110	107	104	1,869
11	101	98	101	102	106	115	119	114	115	54	50	46	48	45	148	146	144	145	155	157	153	111	106	101	2,580
12	102	100	100	102	105	116	117	115	111	49	47	47	48	45	43	95	145	92	53	54	51	110	105	103	2,055
13	102	101	101	103	107	116	115	118	115	55	50	50	50	49	44	144	145	147	106	56	56	111	102	98	2,241
14	97	96	98	99	101	112	117	120	121	59	55	51	51	51	52	50	52	48	55	54	53	110	102	97	1,901
15	98	94	97	99	101	103	101	103	102	52	53	47	50	48	50	48	48	52	58	60	59	102	97	92	1,814
16	91	91	93	94	93	94	96	96	98	46	44	43	41	40	42	41	39	45	52	52	52	102	98	98	1,681
17	106	103	103	107	111	122	125	127	126	63	59	56	58	55	56	55	54	56	63	62	63	120	111	108	2,069
18	104	103	104	102	107	120	122	122	116	56	48	47	43	43	42	42	42	44	52	53	53	112	107	107	1,891
19	105	104	107	106	110	124	128	125	119	54	46	46	44	48	48	46	43	51	55	57	57	112	110	105	1,950
20	103	101	104	106	109	121	125	124	117	56	56	52	50	53	53	47	47	48	55	55	55	112	109	108	1,966
21	103	103	104	105	109	120	123	121	117	53	45	45	48	46	45	44	43	43	48	50	47	107	103	98	1,870
22	98	98	98	99	103	107	111	109	101	49	51	47	48	49	48	44	45	47	53	56	58	106	96	91	1,812
23	91	91	90	91	91	94	96	97	97	46	46	44	44	44	43	40	40	44	52	53	52	99	98	98	1,681
24	102	100	104	104	110	118	122	122	123	59	56	50	51	49	52	50	51	102	109	109	107	115	111	106	2,182
25	100	98	100	105	108	119	124	120	119	55	48	48	49	45	47	47	49	49	56	57	52	110	106	101	1,912
26	104	102	104	105	107	121	126	124	117	53	49	51	49	48	48	47	47	47	54	54	52	112	109	105	1,935
27	102	102	102	105	109	116	120	117	116	54	48	46	47	49	51	49	47	46	55	55	54	111	106	99	1,906
28	100	102	104	104	105	112	114	115	113	53	51	45	44	44	43	41	41	40	48	48	46	105	101	95	1,814
29	93	95	93	94	93	97	97	97	96	44	41	42	43	40	38	39	37	41	48	51	47	98	95	93	1,652
30	92	92	92	93	93	93	94	95	96	42	45	42	101	106	105	105	105	108	102	55	53	103	99	94	2,105
31	95	100	103	106	108	110	121	219	220	159	155	154	150	151	152	100	49	104	109	106	56	114	110	109	2,960
	3,043	3,019	3,053	3,095	3,180	3,395	3,482	3,563	3,504	1,904	1,758	1,690	1,748	1,754	1,811	1,876	1,859	1,916	2,023	1,968	1,871	3,315	3,171	3,064	61,062

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
NOVEMBER 1994																									
1	101	100	100	104	106	110	125	106	102	50	51	45	44	47	49	50	52	50	59	55	54	111	106	104	1,881
2	105	102	105	103	103	109	121	106	104	52	102	97	98	106	107	107	109	106	111	110	109	116	111	106	2,505
3	98	95	98	100	103	107	119	110	159	107	106	105	105	110	110	62	62	59	112	115	114	174	120	115	2,565
4	110	109	106	103	99	109	121	261	160	109	104	102	100	108	109	56	56	53	55	113	111	116	114	106	2,590
5	101	96	96	98	96	99	102	104	99	45	44	45	43	42	43	43	44	45	51	51	55	104	103	100	1,749
6	96	95	94	96	97	96	99	97	99	51	49	45	44	41	41	42	43	45	52	55	57	103	102	97	1,736
7	99	101	102	103	106	111	121	109	102	54	56	56	52	58	59	60	61	61	112	111	61	118	113	109	2,095
8	104	100	101	103	107	108	123	111	107	55	52	50	46	52	52	50	51	49	55	57	54	114	110	106	1,917
9	103	103	106	109	109	114	128	111	111	57	55	53	51	61	62	57	60	107	59	61	60	120	115	109	2,081
10	107	104	103	105	106	110	125	111	112	58	60	56	53	60	60	108	107	103	109	110	107	117	108	97	2,296
11	91	89	92	91	92	94	98	99	98	47	45	45	43	46	45	45	43	47	48	51	52	102	98	92	1,693
12	93	95	94	94	97	97	103	102	99	48	44	48	48	50	48	49	53	53	57	59	61	109	107	103	1,811
13	99	97	96	97	97	101	102	101	102	51	49	51	52	51	51	52	53	55	58	61	63	110	105	105	1,859
14	104	104	110	111	113	117	131	120	114	59	59	59	58	63	59	59	64	121	124	126	127	176	172	163	2,513
15	110	108	109	112	113	118	128	115	113	66	58	57	51	58	58	59	66	68	72	75	73	124	120	115	2,146
16	111	108	109	111	111	115	124	118	114	58	59	57	59	65	65	64	74	125	128	128	125	175	170	115	2,488
17	114	113	109	112	114	119	131	119	114	63	63	61	58	64	66	64	65	64	67	73	73	126	120	114	2,186
18	111	110	109	110	112	118	183	267	212	161	111	115	111	120	117	117	124	222	227	227	171	171	114	106	3,546
19	102	98	99	99	100	102	158	160	155	104	103	106	105	105	101	105	108	159	166	118	118	161	158	108	2,898
20	106	103	100	102	102	105	107	110	159	107	104	53	52	52	53	54	51	59	61	65	66	113	107	103	2,094
21	98	101	102	107	113	120	132	270	220	118	117	114	112	117	115	112	114	113	117	115	58	123	123	117	2,948
22	111	109	110	111	114	116	131	167	163	113	111	109	105	113	117	115	116	120	120	120	118	174	120	107	2,910
23	99	100	98	99	98	102	163	103	100	45	44	37	33	38	38	35	35	87	90	39	40	100	99	95	1,817
24	94	95	96	97	100	100	104	103	104	51	96	92	88	39	38	39	38	43	49	50	50	99	97	97	1,859
25	95	94	97	97	95	99	103	92	92	40	39	37	37	41	40	40	42	41	47	46	47	107	104	97	1,669
26	96	96	99	99	97	103	105	153	199	150	151	101	100	49	46	47	51	55	209	208	210	156	153	153	2,886
27	149	100	97	98	101	100	102	102	103	102	153	99	102	48	48	49	53	155	161	212	216	260	158	105	2,873
28	106	112	113	116	112	166	281	270	269	232	231	229	211	218	219	218	216	218	224	225	227	277	277	259	5,026
29	102	106	104	108	113	223	285	274	265	217	215	214	206	162	109	107	111	213	223	230	231	280	276	117	4,491
30	115	113	113	114	117	122	283	270	266	214	213	214	207	116	112	117	214	216	169	170	167	226	221	114	4,203
	3,130	3,056	3,067	3,109	3,143	3,410	4,138	4,341	4,216	2,684	2,744	2,552	2,474	2,300	2,237	2,182	2,336	2,912	3,192	3,236	3,075	4,362	4,001	3,434	75,331

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

TOTAL SALES

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
DECEMBER 1994																									
1	110	109	109	109	111	114	179	276	272	121	108	104	52	51	48	45	45	201	207	208	212	259	169	109	3,328
2	103	102	105	107	109	112	225	277	272	118	103	50	49	47	49	46	46	52	202	205	155	155	113	105	2,907
3	97	95	97	97	101	103	104	105	102	50	49	47	33	31	30	30	33	41	42	43	42	92	101	99	1,664
4	98	96	95	96	95	96	100	101	102	51	50	47	47	45	44	46	36	44	49	49	48	94	102	101	1,732
5	99	104	104	106	107	112	123	228	227	173	163	210	208	210	209	157	212	217	215	214	212	259	267	111	4,247
6	105	105	103	102	103	103	222	226	223	169	155	152	154	103	52	52	57	61	212	212	210	260	217	112	3,470
7	109	107	106	106	108	113	223	227	224	70	55	57	57	56	54	51	52	59	211	209	209	261	167	160	3,051
8	110	106	107	107	108	114	224	277	277	227	214	212	210	208	208	210	210	219	219	223	217	265	273	166	4,711
9	112	112	109	113	116	120	282	283	279	227	211	203	99	99	93	95	97	156	220	219	220	257	267	163	4,152
10	106	105	108	107	133	210	211	214	213	207	205	201	90	41	42	44	42	99	101	201	178	152	162	159	3,331
11	109	107	106	105	105	106	211	211	210	162	161	158	155	54	54	55	41	150	207	209	206	252	263	261	3,658
12	106	108	108	111	110	114	229	229	226	73	60	60	57	56	56	53	61	74	177	226	228	263	169	166	3,120
13	107	107	109	108	109	114	127	275	275	170	109	106	53	52	51	47	50	108	212	214	213	260	165	162	3,303
14	108	106	107	109	112	163	277	279	270	119	111	110	107	105	52	53	56	112	215	217	219	266	173	167	3,613
15	115	111	111	111	112	115	280	281	280	126	58	60	57	57	56	59	58	65	218	219	219	165	174	169	3,276
16	114	112	110	112	115	119	282	282	279	223	107	60	57	54	53	50	51	58	212	215	165	112	122	117	3,181
17	114	113	115	115	117	116	121	119	115	64	57	59	45	42	41	42	40	48	53	53	55	105	116	115	1,980
18	109	109	109	108	109	113	114	113	115	65	58	59	58	57	54	55	43	54	55	55	57	106	114	112	2,001
19	112	110	110	112	113	113	124	125	123	71	59	53	51	49	49	55	57	62	64	68	66	115	121	116	2,098
20	113	110	109	108	111	117	129	132	128	74	109	106	102	101	101	104	103	112	116	115	115	112	121	115	2,663
21	111	112	112	113	114	117	126	121	124	73	61	60	54	56	52	51	51	59	62	63	65	113	123	118	2,111
22	115	111	110	112	111	112	118	123	125	72	59	60	53	54	52	55	54	60	64	63	63	112	122	113	2,093
23	113	107	107	107	107	110	118	117	122	68	60	61	54	56	56	55	57	64	65	66	62	110	119	106	2,067
24	96	94	94	93	97	96	100	101	103	50	50	50	36	33	33	33	32	40	42	43	42	93	104	102	1,657
25	103	100	100	99	98	98	99	101	103	55	51	48	44	41	39	41	30	36	41	42	42	90	101	98	1,700
26	96	93	94	94	94	98	99	103	102	52	51	52	52	45	45	35	34	42	49	49	48	96	104	101	1,728
27	101	104	109	112	111	115	120	121	124	74	61	59	58	56	48	48	51	58	65	66	65	113	122	119	2,080
28	115	111	112	113	113	115	119	125	124	73	63	59	56	57	52	52	55	58	65	67	64	114	122	117	2,121
29	114	108	106	110	111	114	117	120	124	70	58	61	58	57	57	56	58	63	66	67	64	112	120	113	2,104
30	111	111	110	111	112	111	120	122	121	72	57	58	53	57	51	53	52	60	64	64	63	112	122	115	2,082
31	108	107	107	106	108	108	108	107	108	58	61	59	44	42	39	38	40	48	54	52	51	102	112	106	1,873
	3,339	3,292	3,298	3,319	3,380	3,581	5,031	5,521	5,492	3,277	2,834	2,741	2,303	2,072	1,920	1,866	1,904	2,580	3,844	4,016	3,875	4,977	4,647	3,993	83,102

TOT1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JANUARY 1994																									
1	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
2	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
3	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
4	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
5	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
6	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
7	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
8	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
9	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
10	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
11	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
12	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
15	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
17	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
18	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
19	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
20	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
21	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
22	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
23	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
24	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
25	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
26	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
27	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
28	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
29	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
30	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
31	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	0	0	0	0	0	0	0	0	0	0	0	0	1,550	1,550	1,550	18,600

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
FEBRUARY 1994																									
1	50	50	50	50	50	50	50	50	65	15	5	5	0	0	0	0	0	0	0	0	0	50	50	50	640
2	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	0	0	50	50	50	645
3	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	0	0	50	50	50	645
4	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	0	0	50	50	50	645
5	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	0	0	50	50	50	645
6	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	0	0	50	50	50	645
7	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
8	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
9	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
10	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
11	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
12	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
13	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
14	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	0	15	15	50	50	50	675
15	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
16	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
17	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
18	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
19	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
20	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
21	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
22	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
23	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
24	50	50	50	50	50	50	50	50	55	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	630
25	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
26	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
27	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
28	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	0	5	5	50	50	50	625
	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,420	280	270	270	0	0	0	0	0	0	0	190	190	1,400	1,400	1,400	18,020

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MARCH 1994																									
1	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
2	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
3	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
4	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
5	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
6	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
7	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
8	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
9	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
10	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
11	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
12	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
15	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
17	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
18	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
19	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
20	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
21	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
22	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
23	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
24	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
25	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
26	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
27	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
28	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
29	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
30	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
31	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	0	0	0	0	0	0	0	0	0	0	0	0	1,550	1,550	1,550	18,600

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
APRIL 1994																									
1	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
2	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
3	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
4	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
5	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
6	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
7	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
8	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
9	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
10	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
11	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
12	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
15	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
17	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
18	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	5	5	5	50	50	50	615
19	50	50	50	50	50	50	50	50	50	0	0	0	0	5	5	5	5	5	5	5	0	50	50	50	635
20	50	50	50	50	50	50	50	50	50	0	0	5	5	10	10	10	10	10	10	5	5	50	50	50	680
21	50	50	50	50	50	50	50	50	50	0	5	10	10	15	15	15	15	15	10	5	5	50	50	50	720
22	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
23	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
24	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
25	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
26	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
27	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
28	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
29	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
30	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	5	5	5	5	5	50	50	50	650
	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	0	5	60	60	75	75	75	75	75	75	65	60	1,500	1,500	1,500	18,700

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MAY 1994																									
1	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
2	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
3	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
4	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
5	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
6	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
7	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
8	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
9	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
10	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
11	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
12	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
15	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
17	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
18	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
19	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
20	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
21	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
22	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
23	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
24	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
25	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
26	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
27	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
28	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
29	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
30	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
31	50	50	50	50	50	50	50	50	50	0	5	5	5	5	5	5	5	5	5	5	5	50	50	50	655
	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	0	5	5	5	5	5	5	5	5	5	5	5	1,550	1,550	1,550	18,655

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JUNE 1994																									
1	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
2	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
3	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
4	50	50	50	50	50	50	50	50	50	15	20	25	25	25	25	25	25	25	20	15	15	50	50	50	860
5	50	50	50	50	50	50	50	50	50	10	15	20	25	25	25	25	25	20	15	10	10	50	50	50	825
6	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
7	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
8	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
9	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
10	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
11	50	50	50	50	50	50	50	50	50	15	20	25	25	25	25	25	25	25	20	15	15	50	50	50	860
12	50	50	50	50	50	50	50	50	50	10	15	20	25	25	25	25	25	20	15	10	10	50	50	50	825
13	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
14	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
15	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
16	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
17	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
18	50	50	50	50	50	50	50	50	50	15	20	25	25	25	25	25	25	25	20	15	15	50	50	50	860
19	50	50	50	50	50	50	50	50	50	10	15	20	25	25	25	25	25	20	15	10	10	50	50	50	825
20	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
21	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
22	50	50	50	50	50	50	50	50	50	25	25	25	30	30	35	35	35	35	30	25	25	50	50	50	955
23	50	50	50	50	50	50	50	50	50	25	25	25	25	25	30	35	35	35	30	25	25	50	50	50	940
24	50	50	50	50	50	50	50	50	50	25	25	25	25	30	30	30	30	30	30	35	30	50	50	50	945
25	50	50	50	50	50	50	50	50	50	15	20	25	25	25	25	25	25	25	20	15	15	50	50	50	860
26	50	50	50	50	50	50	50	50	50	10	15	20	25	25	25	25	25	20	15	10	10	50	50	50	825
27	50	50	50	50	50	50	50	50	50	25	25	35	35	35	35	35	35	35	35	35	35	50	50	50	1,000
28	50	50	50	50	50	50	50	50	50	35	35	35	35	35	35	35	35	35	35	35	35	50	50	50	1,020
29	50	50	50	50	50	50	50	50	50	25	25	30	30	30	30	30	30	30	30	30	30	50	50	50	950
30	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	660	700	755	780	785	795	800	800	780	730	685	680	1,500	1,500	1,500	26,950

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JULY 1994																									
1	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
2	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
3	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
4	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
5	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
6	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
7	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
8	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	30	30	30	25	25	25	50	50	50	915
9	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
10	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
11	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
12	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
13	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
14	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	30	30	30	30	50	50	50	920
15	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
16	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
17	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
18	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
19	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
20	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
21	50	50	50	50	50	50	50	50	50	25	30	30	35	35	35	35	35	35	35	35	35	50	50	50	1,000
22	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
23	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
24	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
25	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
26	50	50	50	50	50	50	50	50	50	25	25	25	25	25	35	35	35	35	35	35	35	50	50	50	970
27	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
28	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
29	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
30	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
31	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	775	780	780	785	785	795	800	800	805	800	800	800	1,550	1,550	1,550	28,105

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
AUGUST 1994																									
1	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
2	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
3	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
4	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
5	50	50	50	50	50	50	50	50	50	25	25	25	25	25	30	35	35	30	25	25	25	50	50	50	930
6	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
7	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
8	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
9	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
10	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
11	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
12	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
13	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
14	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
15	50	50	50	50	50	50	50	50	50	25	30	30	30	30	30	30	30	30	30	30	30	50	50	50	955
16	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
17	50	60	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
18	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
19	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
20	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
21	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
22	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
23	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
24	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
25	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
26	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
27	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
28	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
29	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
30	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
31	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	775	780	780	780	780	785	790	790	785	780	780	780	1,550	1,550	1,550	27,985

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
SEPTEMBER 1994																									
1	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
2	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
3	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
4	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
5	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
6	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
7	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
8	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
9	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
10	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
11	50	50	50	50	50	50	50	50	50	25	25	25	25	25	25	25	25	25	25	25	25	50	50	50	900
12	50	50	50	50	50	50	50	50	50	25	25	25	5	10	10	10	10	10	5	0	0	50	50	50	735
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
15	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
17	50	50	50	50	50	50	50	50	50	0	0	0	5	10	10	10	10	10	5	0	0	50	50	50	660
18	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
19	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
20	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
21	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
22	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
23	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
24	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
25	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
26	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
27	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
28	50	50	50	50	50	50	50	50	50	0	0	0	5	5	5	5	5	5	5	0	0	50	50	50	635
29	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
30	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	300	300	300	290	300	300	300	300	300	290	275	275	1,500	1,500	1,500	21,530

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
OCTOBER 1994																									
1	50	50	50	50	50	50	50	50	50	0	0	0	0	5	5	5	5	0	0	0	0	50	50	50	620
2	50	50	50	50	50	50	50	50	50	0	0	0	0	5	5	5	5	0	0	0	0	50	50	50	620
3	50	50	50	50	50	50	50	50	50	0	0	0	0	5	5	5	5	0	0	0	0	50	50	50	620
4	50	50	50	50	50	50	50	50	50	0	0	0	0	5	5	5	5	0	0	0	0	50	50	50	620
5	50	50	50	50	50	50	50	50	50	0	0	0	0	5	5	5	5	0	0	0	0	50	50	50	620
6	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
7	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
8	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
9	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
10	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
11	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
12	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
15	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
17	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
18	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
19	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
20	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
21	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
22	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
23	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
24	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
25	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
26	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
27	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
28	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
29	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
30	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
31	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	0	0	0	0	25	25	25	25	0	0	0	0	1,550	1,550	1,550	18,700

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
NOVEMBER 1994																									
1	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
2	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
3	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
4	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	5	5	50	50	50	610
5	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
6	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
7	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
8	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
9	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
10	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
11	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
12	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	5	10	10	10	10	50	50	50	645
15	50	50	50	50	50	50	50	50	50	5	0	0	0	0	0	0	5	10	10	10	10	50	50	50	650
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	5	10	10	10	10	50	50	50	645
17	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	5	5	50	50	50	610
18	50	50	50	50	50	50	50	50	50	0	0	5	5	5	5	5	10	15	15	15	10	50	50	50	690
19	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	5	5	5	5	5	5	50	50	50	630
20	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
21	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
22	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
23	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
24	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
25	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
26	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
27	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
28	50	50	50	50	50	50	50	50	50	15	15	15	0	0	0	0	0	0	5	5	5	50	50	50	660
29	50	50	50	50	50	50	50	50	50	5	5	5	0	0	0	0	0	0	5	10	10	50	50	50	640
30	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	25	20	25	5	5	5	10	30	50	60	75	70	1,500	1,500	1,500	18,380

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITIZENS UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
DECEMBER 1994																									
1	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
2	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
3	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
4	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
5	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
6	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
7	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
8	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	5	0	50	50	50	605
9	50	50	50	50	50	50	50	50	50	5	5	0	0	0	0	0	0	0	10	10	10	50	50	50	640
10	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
11	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
12	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	5	10	10	10	10	50	50	50	645
13	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
14	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
15	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
16	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
17	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
18	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
19	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
20	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
21	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
22	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
23	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
24	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
25	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
26	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
27	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
28	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
29	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
30	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
31	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	600
	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	5	5	0	0	0	0	0	5	10	20	25	20	1,550	1,550	1,550	18,690

CITU1994.XLS

SALES FOR RESALE

ITEM A 1(B)

CITY OF COLORADO SPRINGS

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
APRIL 1994 (Summer Contract)																									
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
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
3	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
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
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
6	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	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	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
9	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
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	0
11	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
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	0
13	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
14	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
15	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
16	0	0	0	0	0	40	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	50	40	0	1030
17	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
18	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
19	0	0	0	0	0	40	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	20	0	1020
20	0	0	0	0	0	40	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	20	0	1020
21	0	0	0	0	0	40	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	20	0	1020
22	0	0	0	0	0	40	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	20	0	1020
23	0	0	0	0	0	0	20	55	60	60	60	60	60	60	60	60	60	60	60	60	60	60	25	0	940
24	0	0	0	0	0	0	20	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	30	0	950
25	0	0	0	0	10	45	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	30	0	1045
26	0	0	0	0	20	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	30	0	1070
27	0	0	0	0	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	40	0	1090
28	0	0	0	0	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	40	0	1090
29	0	0	0	0	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	40	0	1090
30	0	0	0	0	10	25	40	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	30	0	1005
	0	0	0	0	130	510	680	775	780	780	780	780	780	780	780	780	780	780	780	780	780	770	385	0	13390

CCS94.XLS

SALES FOR RESALE

ITEM A 1(B)

CITY OF COLORADO SPRINGS

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MAY 1994																									
1	0	0	0	0	0	0	0	10	30	40	40	40	30	25	25	25	30	35	40	60	40	30	10	0	510
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
3	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
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
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
6	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	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	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
9	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
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	0
11	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
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	0
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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	0	10	30	40	40	40	30	25	25	25	30	35	40	60	40	30	10	0	510

CCS94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JANUARY 1994																									
1	52	49	49	49	49	42	38	38	37	38	37	44	41	37	37	26	28	35	43	47	59	58	53	48	1,034
2	49	46	46	46	47	50	36	37	36	36	50	49	48	48	46	49	35	41	45	56	61	56	55	52	1,120
3	52	56	56	59	63	59	65	70	67	65	60	64	58	59	55	52	49	56	65	67	79	75	70	69	1,490
4	62	57	58	59	61	61	63	70	64	60	57	62	59	60	59	49	48	54	60	64	78	75	73	67	1,480
5	59	58	58	58	60	61	57	60	59	57	55	61	60	59	56	50	48	54	61	55	75	75	69	62	1,427
6	60	60	61	62	60	59	63	66	63	61	62	67	63	65	60	49	50	53	65	70	79	76	74	68	1,516
7	59	63	61	64	64	61	65	69	69	66	62	78	76	77	71	55	53	58	63	64	79	70	65	66	1,578
8	60	60	61	61	61	56	55	55	52	53	51	63	61	60	58	41	40	43	48	51	64	64	61	58	1,337
9	57	55	57	57	58	55	45	46	45	45	59	56	61	55	58	58	48	53	57	68	74	69	64	59	1,359
10	57	61	57	57	58	51	53	57	59	56	53	61	57	57	57	47	47	51	59	64	74	70	64	59	1,386
11	57	56	54	56	59	55	57	59	54	49	48	57	51	48	47	34	37	40	46	52	64	62	55	52	1,249
12	50	52	50	52	52	48	54	56	53	51	48	54	54	53	45	41	39	45	53	54	68	66	62	55	1,255
13	48	50	50	52	51	46	45	55	52	52	46	54	53	51	47	42	37	40	45	53	65	60	58	51	1,203
14	48	49	49	51	51	50	52	52	51	49	45	48	48	46	41	33	31	35	45	46	58	57	56	50	1,141
15	41	41	41	42	43	38	33	34	30	35	32	45	43	42	41	25	26	31	35	40	51	50	48	46	933
16	44	42	42	41	43	44	32	34	36	36	52	48	48	46	44	43	28	33	43	48	57	53	51	47	1,035
17	47	46	48	49	51	47	42	47	44	46	39	51	49	46	42	33	32	37	49	54	65	62	60	53	1,139
18	48	49	49	47	49	48	52	51	52	52	48	52	50	51	45	42	36	40	47	51	63	63	59	54	1,198
19	49	47	51	50	52	50	51	53	49	49	46	51	50	49	45	39	37	39	49	51	61	60	54	48	1,180
20	44	45	42	49	52	45	51	53	49	45	46	51	48	46	46	38	37	39	47	50	63	60	57	57	1,160
21	51	47	46	47	51	47	47	48	49	43	41	49	50	44	42	32	33	37	41	45	60	57	55	50	1,112
22	45	46	45	46	50	44	39	38	39	38	36	47	49	44	41	25	26	33	42	44	56	56	52	47	1,028
23	46	46	45	46	47	44	35	36	37	41	55	52	49	47	44	41	28	35	45	52	58	54	50	44	1,077
24	43	42	42	46	45	45	51	51	52	49	50	59	58	58	58	51	49	54	60	63	75	72	70	63	1,306
25	59	55	58	61	62	57	64	66	62	60	56	64	66	64	66	61	60	64	73	73	84	78	72	69	1,554
26	66	63	65	68	67	64	68	67	67	65	64	68	66	70	66	64	58	61	68	70	77	75	71	65	1,603
27	62	61	60	63	65	65	68	68	65	60	56	66	59	64	61	52	54	58	66	70	84	78	74	70	1,549
28	62	60	60	62	62	59	65	69	66	63	64	70	65	62	62	56	56	58	62	63	78	78	73	69	1,544
29	63	63	62	64	63	59	57	57	60	64	60	71	68	62	62	47	49	52	62	65	77	75	70	65	1,497
30	59	61	59	60	61	61	48	53	58	59	71	70	67	64	69	67	51	57	64	73	83	77	69	67	1,528
31	62	60	63	65	66	63	67	71	66	65	65	74	68	69	67	57	56	59	69	74	87	83	80	72	1,628
	1,661	1,646	1,645	1,689	1,723	1,634	1,618	1,686	1,642	1,608	1,614	1,806	1,743	1,703	1,638	1,399	1,306	1,445	1,677	1,797	2,156	2,064	1,944	1,802	40,646

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
FEBRUARY 1994																									
1	67	70	68	69	71	76	86	72	64	64	64	62	61	56	53	55	55	60	67	68	79	80	78	74	1,619
2	68	70	68	69	73	73	83	75	73	71	77	69	65	61	58	55	56	60	68	71	86	84	77	73	1,683
3	62	66	66	66	63	70	85	73	67	66	70	67	64	58	55	52	54	60	66	70	83	80	74	71	1,608
4	64	61	60	61	63	68	81	69	67	65	70	69	66	61	60	59	59	61	67	65	79	77	73	67	1,592
5	59	58	57	58	58	58	62	62	52	51	54	52	49	52	49	48	49	46	52	54	64	64	66	61	1,335
6	60	61	59	56	59	59	64	64	58	57	55	55	52	49	46	49	51	56	63	68	74	73	68	61	1,417
7	63	63	65	67	67	70	81	72	66	64	69	69	68	66	64	59	63	67	74	76	81	78	73	66	1,651
8	64	64	62	62	64	70	82	67	63	64	65	66	63	56	57	53	53	60	61	70	82	78	76	69	1,571
9	68	65	63	60	64	68	78	68	62	62	67	66	62	59	58	57	56	55	65	68	80	76	69	68	1,564
10	66	64	64	65	67	70	82	70	64	59	64	59	59	53	51	51	51	53	62	66	78	78	73	67	1,536
11	64	61	61	60	66	69	77	71	69	69	72	71	67	55	53	48	56	58	65	69	82	80	76	72	1,591
12	65	60	63	63	65	67	70	66	56	54	61	55	52	50	45	49	49	51	55	55	70	70	68	66	1,425
13	61	59	59	59	57	59	62	66	59	59	59	56	51	51	49	52	47	53	59	65	74	71	68	62	1,417
14	61	65	65	68	66	72	84	67	63	61	66	63	59	52	55	48	51	54	62	69	83	80	74	66	1,554
15	61	59	59	63	65	68	79	63	60	59	64	57	53	51	56	53	49	55	63	66	79	76	68	63	1,489
16	58	57	58	61	64	68	79	63	61	62	63	61	57	54	53	49	47	49	58	62	77	75	69	60	1,465
17	61	60	59	58	59	61	68	56	58	56	62	61	57	52	52	51	50	55	61	65	77	71	67	61	1,438
18	58	58	54	55	61	65	77	63	60	59	62	60	57	52	51	50	51	52	57	60	72	70	64	59	1,427
19	54	54	57	57	58	59	59	58	48	48	55	54	52	50	48	47	48	51	53	55	66	65	60	54	1,310
20	51	51	50	52	52	51	53	54	45	45	45	44	42	41	42	38	41	47	52	53	61	58	52	50	1,170
21	49	57	59	60	61	64	66	51	56	57	62	62	62	56	55	56	53	54	65	68	83	77	72	65	1,470
22	59	59	61	63	65	72	83	68	61	56	58	62	61	53	56	57	60	63	68	72	83	82	74	68	1,564
23	66	62	65	64	66	70	80	69	66	64	68	67	61	58	55	55	55	55	61	65	76	74	72	63	1,557
24	61	60	60	65	64	70	77	65	65	61	67	64	63	55	55	51	52	47	59	62	76	70	69	63	1,501
25	57	60	59	60	59	67	73	58	53	52	55	54	52	49	46	42	42	43	49	53	65	64	62	56	1,330
26	55	55	53	56	59	58	62	63	51	48	56	54	48	47	42	46	43	46	50	55	67	64	60	49	1,287
27	44	42	46	48	48	51	46	48	46	46	48	48	47	45	40	40	41	46	52	55	65	58	53	48	1,151
28	49	54	56	57	62	64	73	60	60	61	66	63	64	61	56	50	52	52	60	67	81	78	70	66	1,482
	1,675	1,675	1,676	1,702	1,746	1,837	2,052	1,801	1,673	1,640	1,744	1,690	1,614	1,503	1,460	1,420	1,434	1,509	1,694	1,792	2,123	2,051	1,925	1,768	41,204

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MARCH 1994																									
1	63	62	61	61	63	68	68	63	62	66	63	62	58	58	56	59	57	50	56	64	61	72	68	65	1,486
2	62	63	60	60	60	64	66	63	60	64	65	65	59	61	62	61	58	46	53	60	63	71	69	61	1,476
3	57	57	58	59	62	65	62	61	59	63	65	63	61	67	62	65	60	49	54	60	58	70	65	61	1,463
4	57	58	55	56	60	62	58	52	52	56	57	55	51	53	54	50	48	39	43	50	51	59	57	55	1,288
5	49	50	52	51	51	50	55	54	50	50	41	39	38	46	45	44	45	35	41	45	46	54	53	45	1,129
6	42	43	43	42	43	41	45	46	47	45	37	33	34	40	39	37	40	32	38	45	44	55	48	42	1,001
7	45	52	54	56	59	60	59	58	59	64	65	63	63	66	62	63	61	58	63	61	60	67	63	59	1,440
8	54	56	57	62	60	61	58	57	56	62	63	61	56	57	58	60	62	51	59	59	58	68	66	59	1,420
9	57	54	54	58	60	61	63	59	54	64	62	59	60	58	55	57	58	49	52	60	62	70	66	59	1,411
10	58	59	60	55	56	59	59	59	57	54	59	60	58	56	52	50	54	46	51	55	56	64	58	54	1,349
11	51	53	56	56	57	57	54	54	55	62	63	59	59	62	58	58	51	46	55	59	56	65	62	59	1,367
12	57	54	55	52	55	53	58	57	60	59	48	51	46	55	52	51	48	40	50	54	55	66	63	57	1,296
13	56	54	55	54	54	53	55	57	62	56	52	54	48	55	50	51	48	40	48	56	56	67	62	57	1,300
14	53	56	54	55	56	61	59	60	61	68	68	64	64	66	62	62	60	45	52	61	61	69	61	57	1,435
15	54	56	55	56	58	63	60	57	54	58	58	58	54	55	50	56	55	43	47	54	53	62	59	54	1,329
16	52	50	49	50	50	58	57	57	58	63	64	65	59	58	57	59	58	46	48	54	53	63	59	57	1,344
17	52	50	50	50	52	57	56	54	56	59	60	60	59	55	58	58	57	42	46	51	51	62	58	52	1,305
18	51	49	48	47	49	54	53	56	57	61	62	61	59	62	57	58	56	45	48	52	50	59	56	54	1,304
19	51	48	49	49	46	47	53	57	56	54	46	42	39	49	51	53	53	43	48	51	50	59	58	48	1,200
20	45	45	44	44	44	46	45	47	49	49	40	36	37	44	43	45	43	34	39	47	48	58	51	48	1,071
21	46	50	48	49	52	59	61	61	61	65	62	59	61	59	61	57	61	47	47	55	54	65	61	56	1,357
22	53	53	55	50	50	52	53	58	57	63	65	59	61	60	61	56	60	49	50	58	56	66	61	56	1,362
23	54	55	51	53	50	57	55	56	59	65	64	62	61	60	60	60	56	46	50	57	56	66	62	58	1,373
24	54	56	54	55	56	61	61	64	59	65	63	59	56	52	54	55	53	43	46	51	50	58	53	48	1,326
25	44	44	44	47	51	55	51	52	52	59	57	56	48	52	48	50	49	38	41	44	45	54	51	47	1,179
26	40	39	39	39	41	42	46	44	43	41	29	25	22	33	30	31	30	22	24	33	35	48	43	37	856
27	34	31	33	33	32	35	34	37	40	37	27	29	27	33	32	33	32	22	25	33	32	45	39	34	789
28	40	44	43	44	43	48	44	44	46	51	51	52	49	49	49	46	46	35	38	46	44	55	52	47	1,106
29	43	43	44	45	44	49	42	41	46	48	51	48	47	46	40	42	43	31	34	42	42	54	49	46	1,060
30	43	42	41	42	42	49	41	42	43	44	45	46	41	43	44	45	45	36	39	44	43	54	49	46	1,049
31	42	42	43	43	44	48	38	41	42	47	48	46	40	40	39	37	38	27	29	36	37	48	42	35	972
	1,559	1,568	1,564	1,573	1,600	1,695	1,669	1,668	1,672	1,762	1,700	1,651	1,575	1,650	1,601	1,609	1,585	1,275	1,414	1,597	1,586	1,893	1,764	1,613	38,843

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
APRIL 1994																									
1	28	26	27	28	28	30	35	36	38	24	22	20	20	20	19	19	17	15	16	23	25	24	34	27	601
2	28	27	28	29	31	31	30	33	31	31	29	26	22	18	17	18	18	11	15	24	25	35	32	31	620
3	27	26	28	27	30	31	32	33	34	32	30	29	26	24	25	24	18	19	21	27	27	34	31	27	662
4	25	25	25	25	28	36	39	41	41	26	24	24	23	23	19	18	18	20	22	29	27	22	33	30	643
5	30	34	35	40	47	56	60	63	62	49	46	43	45	41	38	37	34	31	36	41	42	38	48	44	1,040
6	44	42	42	42	47	59	59	61	58	44	42	40	40	38	36	32	30	31	34	43	41	37	44	40	1,026
7	40	41	39	43	45	54	58	60	60	43	42	39	41	40	37	32	29	32	35	42	42	37	47	42	1,020
8	43	39	38	39	44	55	57	62	62	45	39	34	36	35	35	35	34	32	33	39	38	35	44	38	991
9	37	38	37	40	41	43	44	44	44	42	40	33	30	29	29	28	32	26	29	35	35	42	39	31	868
10	31	30	30	30	31	31	30	35	38	39	39	39	38	35	35	33	26	27	29	34	33	37	35	33	798
11	38	39	39	39	43	57	59	64	65	50	48	44	47	40	39	38	34	35	39	43	45	40	48	44	1,077
12	44	44	45	47	50	55	61	64	59	46	41	41	40	38	37	32	30	29	33	42	39	39	46	41	1,043
13	37	39	39	38	43	53	52	55	55	40	38	33	35	34	32	28	28	28	27	34	39	34	40	36	917
14	36	35	36	38	41	51	51	50	45	31	27	27	26	24	23	21	20	18	21	27	28	26	35	28	765
15	30	31	32	31	33	37	38	40	38	37	36	29	24	22	23	22	23	17	16	24	24	30	31	26	694
16	24	24	24	25	25	26	25	25	28	28	25	27	28	27	25	23	16	16	17	22	25	30	28	27	590
17	30	30	36	38	43	53	57	58	63	45	37	35	40	41	44	43	36	35	37	46	44	39	48	44	1,022
18	47	43	47	42	45	54	60	61	57	42	41	41	43	42	45	45	44	39	46	50	49	46	55	50	1,134
19	51	46	48	49	49	56	61	62	63	45	49	46	46	45	48	42	37	45	45	51	49	47	53	48	1,181
20	46	44	48	46	52	61	62	62	62	48	43	39	43	47	49	44	44	43	42	50	52	44	51	43	1,165
21	44	46	46	47	50	59	59	59	59	43	43	40	39	42	43	40	37	38	39	42	44	40	51	41	1,091
22	40	40	39	39	41	43	45	48	49	47	47	42	38	37	38	34	33	29	31	37	38	45	42	36	958
23	34	32	35	34	35	34	34	39	45	45	44	42	39	39	41	38	29	29	36	37	37	44	42	45	909
24	48	48	47	49	56	66	72	76	75	60	58	58	57	56	55	51	51	48	52	56	57	51	61	57	1,365
25	56	56	58	55	58	70	70	72	72	60	58	55	51	52	44	41	46	43	46	54	54	51	57	50	1,329
26	50	53	53	52	55	61	63	62	62	53	52	51	51	51	53	42	38	38	41	47	45	40	46	42	1,201
27	45	43	45	44	50	59	61	65	67	52	47	47	49	49	45	44	43	40	41	46	49	44	52	51	1,178
28	48	47	48	48	52	63	67	68	67	51	49	46	47	45	40	40	39	38	39	43	42	41	51	46	1,165
29	42	43	44	46	45	45	47	50	49	49	46	42	38	37	39	37	37	31	34	38	43	50	44	40	1,016
30	40	44	42	40	48	57	58	58	57	44	41	38	42	36	40	36	38	32	32	39	36	34	43	38	1,013
	1,163	1,155	1,180	1,190	1,286	1,486	1,546	1,606	1,605	1,291	1,223	1,150	1,144	1,107	1,093	1,017	959	915	984	1,165	1,174	1,156	1,311	1,176	29,082

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MAY 1994																									
1	35	37	36	38	39	40	40	43	42	47	42	42	41	36	27	28	27	26	29	47	52	49	42	41	926
2	45	48	49	51	53	60	62	63	54	53	49	43	42	46	45	43	41	44	45	51	55	49	56	55	1,202
3	53	54	48	51	56	63	67	70	54	52	52	48	50	49	52	46	43	41	42	48	52	44	55	52	1,242
4	53	52	52	53	55	64	68	69	50	47	47	46	48	45	44	44	42	43	39	47	51	47	57	51	1,214
5	53	54	50	48	50	56	61	64	50	51	49	45	47	44	47	45	45	41	41	44	50	47	56	50	1,188
6	50	51	50	50	53	62	62	64	47	47	46	45	42	41	42	39	38	34	36	40	47	42	51	47	1,126
7	47	47	46	46	47	50	42	43	48	49	45	45	40	39	26	27	26	26	24	40	47	50	40	33	973
8	31	31	31	31	33	30	30	35	34	34	32	30	30	25	19	19	11	13	17	35	39	33	30	29	682
9	34	36	36	37	40	48	50	57	44	44	43	42	42	38	37	34	32	32	33	35	38	32	41	38	943
10	36	36	41	42	46	54	54	52	42	42	41	39	39	40	37	33	33	34	37	40	41	34	43	39	975
11	43	42	41	42	45	52	54	57	43	44	40	39	39	37	36	36	36	35	36	41	41	37	44	40	1,000
12	39	39	43	42	46	52	53	55	41	40	40	37	38	37	35	33	34	32	33	35	38	35	42	36	955
13	39	39	40	40	44	54	60	63	50	46	42	41	41	39	34	33	32	31	31	39	39	37	47	39	1,000
14	38	39	43	43	43	45	45	49	49	48	43	38	40	41	33	32	34	32	30	46	49	52	44	36	992
15	36	37	33	35	33	33	34	37	37	36	39	40	41	38	27	26	26	28	27	46	51	46	41	40	867
16	45	45	46	48	54	62	64	66	50	46	48	43	43	47	48	44	34	34	36	44	53	47	57	50	1,154
17	50	48	45	49	52	53	56	61	47	50	51	46	47	45	48	41	42	44	41	47	51	45	54	50	1,163
18	49	46	47	48	53	57	61	64	50	46	45	43	43	46	49	43	43	41	41	46	51	49	57	51	1,169
19	51	47	50	49	55	59	63	64	52	50	49	45	48	47	47	44	42	40	43	47	51	48	58	51	1,200
20	52	49	49	51	53	61	63	63	52	49	47	43	42	46	45	43	37	36	38	43	48	45	55	50	1,160
21	50	49	51	50	48	51	49	51	51	48	50	49	44	36	34	34	34	33	36	49	51	54	43	33	1,078
22	33	33	33	35	36	35	37	39	40	40	37	39	39	33	22	23	23	22	24	41	47	43	40	43	837
23	49	47	48	49	52	59	59	63	51	49	51	47	47	42	48	46	45	43	44	46	51	46	57	52	1,191
24	49	49	48	51	47	57	64	61	46	47	47	46	43	45	46	43	40	41	42	42	47	41	52	48	1,142
25	47	46	46	44	44	51	59	63	47	49	47	45	45	44	45	44	43	38	41	46	49	43	53	49	1,128
26	48	49	48	47	51	57	63	64	51	48	48	45	43	45	44	42	42	42	43	47	48	46	53	45	1,159
27	44	46	46	49	49	50	55	59	45	43	45	41	43	38	39	36	36	33	34	37	43	37	42	33	1,023
28	32	31	33	34	34	36	37	38	35	37	38	37	33	32	22	22	21	22	22	26	40	41	37	34	774
29	33	31	33	33	34	34	36	35	37	37	37	39	37	33	21	22	24	25	26	41	44	42	39	33	806
30	32	29	30	29	30	30	34	37	37	38	37	37	32	33	23	24	23	23	23	33	41	40	37	38	770
31	42	40	37	39	42	47	53	57	40	42	42	41	41	45	45	40	38	35	37	40	46	40	50	47	1,026
	1,338	1,327	1,329	1,354	1,417	1,562	1,635	1,706	1,416	1,399	1,369	1,306	1,290	1,252	1,167	1,109	1,067	1,044	1,071	1,309	1,451	1,341	1,473	1,333	32,065

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JUNE 1994																									
1	49	45	43	43	46	49	53	55	56	46	47	44	47	44	45	45	45	43	42	40	48	44	50	44	1,113
2	43	44	41	35	45	50	55	57	58	46	45	39	46	46	47	44	41	38	34	33	45	44	54	48	1,078
3	47	46	46	49	48	50	50	55	57	46	45	45	46	46	46	45	46	43	42	43	47	46	53	46	1,133
4	41	44	45	45	45	47	45	52	51	48	43	43	37	34	35	32	31	32	34	36	42	52	44	38	996
5	39	36	37	39	39	38	36	41	43	44	41	39	27	28	29	26	26	29	31	32	46	49	45	42	882
6	45	43	42	43	46	47	52	57	59	49	50	50	52	46	45	45	44	43	45	47	51	48	55	47	1,151
7	49	47	49	52	51	54	49	52	55	43	43	39	41	40	45	40	41	40	44	45	52	48	55	50	1,124
8	50	46	48	49	47	50	54	57	58	48	47	41	45	47	46	48	46	43	41	42	48	47	56	51	1,155
9	52	51	49	51	49	50	57	57	60	48	48	48	49	46	48	46	42	46	44	45	51	47	56	51	1,191
10	48	48	49	50	49	54	53	59	58	48	51	48	48	48	51	50	49	41	42	44	49	45	56	48	1,186
11	47	45	47	48	49	47	46	48	50	47	45	46	37	39	40	38	38	35	34	36	41	54	48	39	1,044
12	38	36	37	36	38	36	37	37	42	42	43	39	29	30	34	34	37	35	34	34	46	48	47	43	912
13	41	43	45	45	48	51	52	59	60	49	53	49	51	49	52	50	46	45	41	42	48	48	57	51	1,175
14	50	49	47	48	46	51	55	59	62	49	48	45	44	49	46	49	43	42	43	43	47	41	51	46	1,153
15	48	49	47	50	52	51	54	63	60	47	50	46	46	48	47	42	46	45	41	43	51	47	55	50	1,178
16	53	49	49	48	49	53	53	57	57	48	50	48	48	47	50	50	46	44	42	44	49	42	52	50	1,178
17	49	50	51	51	51	53	55	58	59	44	44	45	46	44	44	45	42	39	39	40	42	42	51	46	1,130
18	42	41	46	42	44	45	48	52	53	53	51	46	38	37	41	38	39	36	40	42	42	52	46	40	1,054
19	39	37	36	37	35	36	38	44	46	48	47	45	31	30	30	30	30	27	28	30	43	44	41	39	891
20	40	46	46	50	48	49	54	59	63	51	51	50	50	51	53	47	46	44	45	43	48	47	54	49	1,184
21	50	51	49	49	49	50	55	59	64	51	50	50	48	50	52	48	42	41	42	41	45	41	50	46	1,173
22	47	48	48	47	47	52	55	59	58	46	50	46	45	49	51	49	44	41	40	42	45	42	54	49	1,154
23	50	49	49	48	50	52	55	55	57	45	50	50	50	48	51	50	44	39	41	41	44	43	53	47	1,161
24	46	48	46	48	49	51	53	59	59	43	42	42	43	42	36	36	35	35	37	33	38	37	45	41	1,044
25	38	36	36	38	38	39	42	43	43	46	41	40	33	33	32	32	31	29	33	32	35	47	43	40	900
26	37	36	38	40	40	36	37	42	43	42	43	39	31	33	32	28	31	29	34	35	48	49	45	38	906
27	38	37	37	38	39	43	48	51	51	42	44	42	39	39	38	37	37	32	32	31	36	37	45	41	954
28	41	36	39	39	40	45	47	50	53	38	38	38	42	39	40	39	37	35	34	35	41	37	47	43	973
29	41	40	39	41	40	45	48	53	51	39	39	42	41	40	41	41	40	34	34	32	37	38	42	39	977
30	37	37	39	39	39	45	46	48	50	41	39	39	40	39	38	38	36	32	32	32	40	38	48	43	955
	1,335	1,313	1,320	1,338	1,356	1,419	1,482	1,597	1,636	1,377	1,378	1,323	1,270	1,261	1,285	1,242	1,201	1,137	1,145	1,158	1,345	1,344	1,498	1,345	32,105

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JULY 1994																									
1	41	38	40	38	31	33	38	44	49	36	36	37	35	38	40	38	37	30	32	36	35	33	42	39	896
2	34	33	34	34	36	35	40	41	41	41	40	27	25	26	25	22	23	22	25	25	30	42	37	36	774
3	35	35	33	34	32	33	34	38	39	40	39	39	27	27	27	26	27	25	26	36	40	40	39	34	805
4	32	32	31	32	32	29	36	34	36	37	37	36	26	25	27	26	25	23	24	25	41	39	39	34	758
5	34	31	31	31	32	32	39	45	46	36	36	36	37	37	38	40	32	32	32	33	39	37	45	41	872
6	37	37	35	37	37	38	45	49	51	39	39	38	39	39	42	40	35	34	34	34	41	38	45	42	945
7	42	37	36	39	39	40	47	48	51	40	36	35	36	38	38	38	35	34	29	29	35	33	43	39	917
8	36	33	32	35	38	38	44	50	50	41	40	39	38	37	40	37	37	35	32	34	35	33	41	36	911
9	33	35	34	34	35	33	36	37	41	36	36	22	23	23	22	21	22	22	22	22	26	37	31	27	710
10	27	26	27	25	27	23	28	30	31	32	32	34	21	21	22	20	21	22	22	35	40	35	31	27	659
11	32	31	31	35	36	36	37	39	42	34	32	33	36	36	36	30	31	29	25	28	33	30	36	33	801
12	32	34	31	34	36	36	39	45	47	38	35	34	33	33	34	31	31	31	30	29	35	31	38	32	829
13	32	33	33	33	34	37	40	46	50	41	44	40	42	43	43	40	39	40	38	39	42	40	42	40	951
14	43	45	44	45	45	49	53	57	58	47	46	44	47	44	48	43	42	39	37	40	45	41	51	48	1,101
15	47	47	48	48	48	48	51	58	59	49	47	44	47	45	47	46	43	43	39	43	47	44	49	45	1,132
16	42	41	44	44	43	43	44	46	50	51	53	39	40	40	41	37	33	35	35	37	41	52	48	42	1,021
17	41	44	42	42	40	39	42	47	52	50	49	50	35	34	37	38	38	36	36	52	54	49	47	41	1,035
18	42	39	38	42	43	48	53	56	60	47	48	47	46	46	49	47	45	41	43	42	47	43	50	45	1,107
19	46	41	41	44	47	50	48	48	52	41	43	40	41	42	45	34	34	32	32	35	36	31	37	34	974
20	36	31	34	33	35	39	42	51	58	46	44	46	45	45	47	46	42	38	38	42	46	40	46	43	1,013
21	43	45	47	47	46	47	51	54	57	45	43	42	43	43	42	42	42	42	41	44	46	42	52	50	1,096
22	49	47	45	47	46	50	52	58	56	50	46	47	45	45	47	40	39	41	42	44	47	45	50	42	1,120
23	42	44	44	41	43	42	44	46	46	47	47	29	31	33	34	36	37	35	38	39	43	52	48	42	983
24	42	42	39	43	42	43	46	46	49	49	50	46	32	37	39	36	37	36	37	55	58	52	49	45	1,050
25	41	43	43	48	46	48	53	55	60	54	52	47	50	48	49	48	44	42	44	46	51	45	52	48	1,157
26	47	47	47	45	46	49	54	55	57	45	45	45	48	49	45	45	44	42	44	41	46	41	53	49	1,129
27	48	43	43	45	47	49	55	56	58	48	45	46	49	49	47	43	46	42	44	45	50	45	51	48	1,142
28	48	45	44	46	46	52	52	54	57	48	52	50	50	49	49	49	42	44	44	45	50	45	56	50	1,167
29	46	44	45	45	45	45	48	52	57	45	44	42	45	47	44	41	39	39	39	41	47	44	55	51	1,090
30	47	46	48	49	47	47	51	52	49	49	52	38	37	39	37	27	31	32	33	42	43	54	51	48	1,049
31	48	45	44	42	42	42	44	44	47	47	45	46	35	35	36	33	33	35	40	52	56	55	51	46	1,043
	1,245	1,214	1,208	1,237	1,242	1,273	1,386	1,481	1,556	1,349	1,333	1,238	1,184	1,193	1,217	1,140	1,106	1,073	1,077	1,190	1,325	1,288	1,405	1,277	30,237

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
AUGUST 1994																									
1	46	44	43	44	46	50	51	56	49	48	50	49	50	49	53	48	42	41	41	45	50	45	51	46	1,137
2	45	46	49	48	47	43	49	54	43	46	45	46	46	47	52	48	42	43	42	45	47	48	57	52	1,130
3	51	49	49	49	52	53	53	57	46	49	50	47	45	43	42	43	42	43	44	48	51	50	58	51	1,165
4	52	50	48	49	50	51	52	57	50	49	53	51	50	50	54	51	49	46	46	48	52	46	56	50	1,210
5	54	50	52	51	47	50	54	60	50	47	48	49	50	50	49	49	47	42	43	44	49	46	55	44	1,180
6	45	43	43	41	44	47	46	44	49	38	35	33	34	30	32	29	30	33	35	38	53	52	46	42	962
7	41	43	42	42	43	42	38	40	43	45	44	46	32	30	29	28	28	25	33	50	43	47	42	43	939
8	43	40	43	45	47	48	50	51	41	39	40	40	37	38	37	37	35	33	33	36	40	35	42	37	967
9	36	35	36	36	37	42	38	40	31	30	30	29	28	28	29	28	28	28	27	31	37	35	42	40	801
10	39	39	37	36	39	42	42	45	39	38	41	40	35	34	33	34	30	30	30	30	36	36	44	38	887
11	39	39	41	44	39	45	46	49	45	44	43	49	50	50	52	48	47	46	45	45	39	44	56	48	1,093
12	47	48	50	49	54	54	53	60	49	51	53	51	52	51	55	52	47	40	41	47	49	50	60	52	1,215
13	51	46	48	50	51	54	51	52	49	42	40	39	41	40	39	38	39	40	41	43	58	59	53	45	1,109
14	46	44	43	44	45	44	46	46	44	46	50	52	39	34	34	32	34	35	38	55	56	54	47	46	1,054
15	48	46	47	48	52	55	57	57	47	48	53	51	54	48	55	51	52	48	45	49	53	47	56	49	1,216
16	50	47	47	50	51	55	55	54	41	43	43	44	43	43	46	49	50	46	46	49	53	48	57	50	1,160
17	50	48	49	48	48	56	60	62	49	49	51	52	52	51	48	50	49	48	49	50	50	45	53	48	1,215
18	49	48	46	49	50	54	55	58	50	50	49	46	54	51	51	48	45	40	43	49	48	45	52	50	1,180
19	48	49	48	50	51	55	53	58	49	48	53	51	49	42	51	48	47	46	45	48	51	44	52	47	1,183
20	47	45	47	47	48	50	51	50	51	42	37	36	25	30	34	31	34	34	35	39	53	51	45	43	1,005
21	42	40	42	43	42	43	46	50	50	49	51	50	36	37	37	35	38	39	38	56	58	53	47	49	1,071
22	51	48	48	49	53	60	57	64	49	51	56	52	55	54	57	54	51	43	43	50	54	48	55	49	1,251
23	51	46	48	52	51	60	60	52	45	44	45	45	48	50	50	48	44	42	45	49	51	47	58	52	1,183
24	53	49	48	49	50	59	64	65	49	53	52	48	50	50	51	49	46	45	48	53	52	46	54	51	1,234
25	48	49	49	50	55	60	63	64	51	49	49	51	53	52	51	44	45	45	46	52	51	49	54	51	1,231
26	52	49	52	51	51	57	59	64	54	52	55	54	57	54	54	49	49	45	44	52	49	46	54	47	1,250
27	44	39	41	43	48	49	52	53	52	45	43	40	40	39	36	35	32	38	39	45	57	56	53	48	1,067
28	47	45	45	44	47	50	49	47	53	56	58	57	44	42	41	37	36	38	42	60	60	56	50	49	1,153
29	48	48	49	50	55	60	57	62	55	52	52	52	51	52	52	49	48	44	45	48	50	46	55	54	1,234
30	51	50	49	51	52	60	54	57	48	47	50	47	51	52	55	49	51	46	46	54	54	49	53	52	1,228
31	55	48	50	52	54	63	63	62	54	52	53	50	53	51	53	51	46	47	48	53	54	43	53	48	1,256
	1,469	1,410	1,429	1,454	1,499	1,611	1,624	1,690	1,475	1,442	1,472	1,447	1,404	1,372	1,412	1,342	1,303	1,259	1,286	1,461	1,558	1,466	1,610	1,471	34,966

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
SEPTEMBER 1994																									
1	49	50	46	48	49	62	60	67	51	49	50	47	44	48	51	50	47	48	47	52	54	48	55	50	1,222
2	54	49	44	44	46	52	52	57	44	47	47	46	47	42	42	38	34	33	35	41	40	36	40	31	1,041
3	31	31	31	31	33	32	32	30	31	24	15	15	15	15	14	12	13	13	17	22	21	32	29	28	567
4	25	24	24	25	25	25	23	25	25	27	28	26	13	12	12	11	17	17	17	23	21	30	26	25	526
5	21	22	24	22	23	26	25	25	28	27	17	17	17	17	17	17	18	18	18	22	21	17	24	24	507
6	32	30	31	32	34	43	43	49	37	37	37	34	37	36	33	29	30	28	30	38	37	31	39	34	841
7	34	34	35	35	38	44	44	46	34	32	35	36	34	37	37	35	29	29	29	34	34	32	41	34	852
8	31	33	33	32	38	46	48	50	35	36	37	35	36	35	34	31	30	27	29	36	35	32	39	35	853
9	35	34	36	35	38	45	43	46	33	34	35	36	31	34	36	35	32	28	38	39	37	33	41	36	870
10	37	36	36	40	42	41	36	23	22	23	23	21	23	20	19	17	19	21	22	29	26	37	33	31	677
11	30	30	31	30	29	31	32	35	38	40	40	38	24	22	19	19	20	21	27	32	30	37	32	32	719
12	30	32	32	32	34	44	44	49	35	36	39	38	37	33	35	32	31	32	35	41	38	35	41	40	875
13	37	34	36	38	41	49	47	45	28	30	30	31	31	31	29	30	29	33	38	41	37	32	38	37	852
14	36	37	34	37	35	46	47	51	38	39	37	34	34	36	34	32	29	29	33	37	37	28	36	33	869
15	35	36	38	36	36	44	45	48	36	36	34	31	32	35	34	31	28	27	35	38	36	33	38	35	857
16	33	31	32	39	40	49	50	50	38	35	34	36	35	30	33	33	29	28	32	36	34	33	39	36	865
17	39	33	33	35	39	39	40	41	39	30	25	18	20	25	23	21	23	22	24	31	29	39	35	31	734
18	33	33	32	32	34	36	34	37	40	39	37	38	24	22	23	24	25	28	31	35	31	41	37	35	781
19	36	37	38	36	40	48	47	49	33	35	35	35	36	35	35	31	32	29	35	39	35	30	40	34	880
20	35	34	35	36	39	45	45	45	31	33	30	26	33	33	31	29	30	33	39	40	40	34	41	37	854
21	36	36	38	38	42	45	46	52	40	36	36	31	36	38	37	34	32	32	36	40	38	32	42	40	913
22	41	39	37	39	40	50	47	52	40	40	37	34	39	39	39	34	32	34	38	42	42	35	44	41	955
23	42	38	41	42	47	54	55	56	39	43	43	43	44	41	42	41	42	38	48	49	49	43	51	44	1,075
24	39	37	38	41	43	49	49	55	56	52	39	37	39	37	34	30	33	33	40	43	39	51	47	44	1,005
25	44	43	42	41	44	47	49	49	51	51	52	49	34	32	37	33	30	35	44	47	43	53	50	45	1,045
26	48	43	48	51	53	64	65	65	51	51	51	47	46	46	44	44	42	40	48	52	46	42	53	48	1,188
27	49	47	46	48	51	60	64	57	39	40	41	41	42	39	43	43	42	42	46	49	49	42	52	48	1,120
28	46	43	45	48	52	58	51	63	50	44	41	33	38	50	48	46	43	40	43	38	42	43	50	45	1,100
29	48	49	48	49	53	64	62	63	50	52	50	48	51	48	48	42	39	41	48	49	46	42	52	51	1,193
30	50	48	49	50	50	60	61	63	49	47	47	49	50	47	47	44	40	42	46	47	48	44	54	46	1,178
	1,136	1,103	1,113	1,142	1,208	1,398	1,386	1,443	1,161	1,145	1,102	1,050	1,022	1,015	1,010	948	920	921	1,048	1,162	1,115	1,097	1,239	1,130	27,014

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
OCTOBER 1994																									
1	47	44	47	46	48	49	46	44	44	44	44	40	40	37	40	40	38	38	43	48	48	48	39	35	1,037
2	35	32	33	35	36	39	39	38	39	40	38	38	38	37	37	40	37	39	44	48	45	42	39	38	926
3	44	44	46	48	53	60	65	60	61	57	52	47	48	45	49	47	45	42	49	48	48	59	50	48	1,215
4	48	48	48	50	55	65	65	64	63	47	44	44	44	43	44	41	43	39	50	51	48	54	52	49	1,199
5	47	47	46	48	51	58	64	63	61	53	50	47	48	50	49	46	47	44	51	56	51	58	54	52	1,241
6	52	49	49	52	56	63	67	64	65	54	48	49	49	51	49	49	47	49	52	57	53	62	57	51	1,294
7	50	48	48	49	53	62	68	70	65	56	51	46	47	46	45	47	45	42	51	53	51	60	56	49	1,258
8	47	46	45	45	48	49	51	50	50	48	47	46	43	42	41	41	40	41	48	52	53	48	44	38	1,103
9	36	36	37	38	38	40	41	42	40	42	41	40	38	35	35	34	33	36	44	45	44	42	42	44	943
10	48	51	52	53	56	60	63	68	61	52	50	44	46	45	47	46	46	47	53	56	54	60	57	54	1,269
11	51	48	51	52	56	65	69	64	65	54	50	46	48	45	48	46	44	45	55	57	53	61	56	51	1,280
12	52	50	50	52	55	66	67	65	61	49	47	47	48	45	43	45	45	42	53	54	51	60	55	53	1,255
13	52	51	51	53	57	66	65	68	65	55	50	50	50	49	44	44	45	47	56	56	56	61	52	48	1,291
14	47	46	48	49	51	62	67	70	71	59	55	51	51	51	52	50	52	48	55	54	53	60	52	47	1,301
15	48	44	47	49	51	53	51	53	52	52	53	47	50	48	50	48	48	52	58	60	59	52	47	42	1,214
16	41	41	43	44	43	44	46	46	48	46	44	43	41	40	42	41	39	45	52	52	52	52	48	48	1,081
17	56	53	53	57	61	72	75	77	76	63	59	56	58	55	56	55	54	56	63	62	63	70	61	58	1,469
18	54	53	54	52	57	70	72	72	66	56	48	47	43	43	42	42	42	44	52	53	53	62	57	57	1,291
19	55	54	57	56	60	74	78	75	69	54	46	46	44	48	48	46	43	51	55	57	57	62	60	55	1,350
20	53	51	54	56	59	71	75	74	67	56	56	52	50	53	53	47	47	48	55	55	55	62	59	58	1,366
21	53	53	54	55	59	70	73	71	67	53	45	45	48	46	45	44	43	43	48	50	47	57	53	48	1,270
22	48	48	48	49	53	57	61	59	51	49	51	47	48	49	48	44	45	47	53	56	58	56	46	41	1,212
23	41	41	40	41	41	44	46	47	47	46	46	44	44	44	43	40	40	44	52	53	52	49	48	48	1,081
24	52	50	54	54	60	68	72	72	73	59	56	50	51	49	52	50	51	52	59	59	57	65	61	56	1,382
25	50	48	50	55	58	69	74	70	69	55	48	48	49	45	47	47	49	49	56	57	52	60	56	51	1,312
26	54	52	54	55	57	71	76	74	67	53	49	51	49	48	48	47	47	47	54	54	52	62	59	55	1,335
27	52	52	52	55	59	66	70	67	66	54	48	46	47	49	51	49	47	46	55	55	54	61	56	49	1,306
28	50	52	54	54	55	62	64	65	63	53	51	45	44	44	43	41	41	40	48	48	46	55	51	45	1,214
29	43	45	43	44	43	47	47	47	46	44	41	42	43	40	38	39	37	41	48	51	47	48	45	43	1,052
30	42	42	42	43	43	43	44	45	46	42	45	42	41	46	45	45	45	48	52	55	53	53	49	44	1,095
31	45	50	53	56	58	60	71	69	70	59	55	54	50	51	52	50	49	54	59	56	56	64	60	59	1,360
	1,493	1,469	1,503	1,545	1,630	1,845	1,932	1,913	1,854	1,604	1,508	1,440	1,438	1,419	1,426	1,391	1,374	1,406	1,623	1,668	1,621	1,765	1,621	1,514	38,002

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
NOVEMBER 1994																									
1	51	50	50	54	56	60	75	56	52	50	51	45	44	47	49	50	52	50	59	55	54	61	56	54	1,281
2	55	52	55	53	53	59	71	56	54	52	52	47	48	56	57	57	59	56	61	60	59	66	61	56	1,355
3	48	45	48	50	53	57	69	60	59	57	56	55	55	60	60	62	62	59	62	65	64	74	70	65	1,415
4	60	59	56	53	49	59	71	61	60	59	54	52	50	58	59	56	56	53	55	58	56	66	64	56	1,380
5	51	46	46	48	46	49	52	54	49	45	44	45	43	42	43	43	44	45	51	51	55	54	53	50	1,149
6	46	45	44	46	47	46	49	47	49	51	49	45	44	41	41	42	43	45	52	55	57	53	52	47	1,136
7	49	51	52	53	56	61	71	59	52	54	56	56	52	58	59	60	61	61	62	61	61	68	63	59	1,395
8	54	50	51	53	57	58	73	61	57	55	52	50	46	52	52	50	51	49	55	57	54	64	60	56	1,317
9	53	53	56	59	59	64	78	61	61	57	55	53	51	61	62	57	60	57	59	61	60	70	65	59	1,431
10	57	54	53	55	56	60	75	61	62	58	60	56	53	60	60	58	57	53	59	60	57	67	58	47	1,396
11	41	39	42	41	42	44	48	49	48	47	45	45	43	46	45	45	43	47	48	51	52	52	48	42	1,093
12	43	45	44	44	47	47	53	52	49	48	44	48	48	50	48	49	53	53	57	59	61	59	57	53	1,211
13	49	47	46	47	47	51	52	51	52	51	49	51	52	51	51	52	53	55	58	61	63	60	55	55	1,259
14	54	54	60	61	63	67	81	70	64	59	59	59	58	63	59	59	59	61	64	66	67	76	72	63	1,518
15	60	58	59	62	63	68	78	65	63	61	58	57	51	58	58	59	61	58	62	65	63	74	70	65	1,496
16	61	58	59	61	61	65	74	68	64	58	59	57	59	65	65	64	69	65	68	68	65	75	70	65	1,543
17	64	63	59	62	64	69	81	69	64	63	63	61	58	64	66	64	65	64	67	68	68	76	70	64	1,576
18	61	60	59	60	62	68	83	67	62	61	61	60	56	65	62	62	64	57	62	62	61	71	64	56	1,506
19	52	48	49	49	50	52	58	60	55	54	53	56	55	55	51	50	53	54	61	63	63	61	58	58	1,318
20	56	53	50	52	52	55	57	60	59	57	54	53	52	52	53	54	51	59	61	65	66	63	57	53	1,344
21	48	51	52	57	63	70	82	70	70	68	67	64	62	67	65	62	64	63	67	65	58	73	73	67	1,548
22	61	59	60	61	64	66	81	67	63	63	61	59	55	63	67	65	66	70	70	70	68	74	70	57	1,560
23	49	50	48	49	48	52	63	53	50	45	44	37	33	38	38	35	35	37	40	39	40	50	49	45	1,067
24	44	45	46	47	50	50	54	53	54	51	46	42	38	39	38	39	38	43	49	50	50	49	47	47	1,109
25	45	44	47	47	45	49	53	42	42	40	39	37	37	41	40	40	42	41	47	46	47	57	54	47	1,069
26	46	46	49	49	47	53	55	53	49	50	51	51	50	49	46	47	51	55	59	58	60	56	53	53	1,236
27	49	50	47	48	51	50	52	52	53	52	53	49	52	48	48	49	53	55	61	62	66	60	58	55	1,273
28	56	62	63	66	62	66	81	70	69	67	66	64	61	68	69	68	66	68	69	70	72	77	77	59	1,616
29	52	56	54	58	63	73	85	74	65	62	60	59	56	62	59	57	61	63	68	70	71	80	76	67	1,551
30	65	63	63	64	67	72	83	70	66	64	63	64	57	66	62	67	64	66	69	70	67	76	71	64	1,603
	1,580	1,556	1,567	1,609	1,643	1,760	2,038	1,791	1,716	1,659	1,624	1,577	1,519	1,645	1,632	1,622	1,656	1,662	1,782	1,811	1,805	1,962	1,851	1,684	40,751

SALES FOR RESALE

ITEM A 1(B)

NAVAJO TRIBAL UTILITIES COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
DECEMBER 1994																									
1	60	59	59	59	61	64	79	76	72	71	58	54	52	51	48	45	45	51	57	58	62	59	69	59	1,428
2	53	52	55	57	59	62	75	77	72	68	53	50	49	47	49	46	46	52	52	55	55	55	63	55	1,357
3	47	45	47	47	51	53	54	55	52	50	49	47	33	31	30	30	33	41	42	43	42	42	51	49	1,064
4	48	46	45	46	45	46	50	51	52	51	50	47	47	45	44	46	36	44	49	49	48	44	52	51	1,132
5	49	54	54	56	57	62	73	78	77	73	63	60	58	60	59	57	62	67	65	64	62	59	67	61	1,497
6	55	55	53	52	53	53	72	76	73	69	55	52	54	53	52	52	57	61	62	62	60	60	67	62	1,420
7	59	57	56	56	58	63	73	77	74	70	55	57	57	56	54	51	52	59	61	59	59	61	67	60	1,451
8	60	56	57	57	58	64	74	77	77	77	64	62	60	58	58	60	60	69	69	68	67	65	73	66	1,556
9	62	62	59	63	66	70	82	83	79	72	56	53	49	49	43	45	47	56	60	59	60	57	67	63	1,462
10	56	55	58	57	58	60	61	64	63	57	55	51	40	41	42	44	42	49	51	51	53	52	62	59	1,281
11	59	57	56	55	55	56	61	61	60	62	61	58	55	54	54	55	41	50	57	59	56	52	63	61	1,358
12	56	58	58	61	60	64	79	79	76	73	60	60	57	56	56	53	56	64	67	66	68	63	69	66	1,525
13	57	57	59	58	59	64	77	75	75	70	59	56	53	52	51	47	50	58	62	64	63	60	65	62	1,453
14	58	56	57	59	62	63	77	79	70	69	61	60	57	55	52	53	56	62	65	67	69	66	73	67	1,513
15	65	61	61	61	62	65	80	81	80	76	58	60	57	57	56	59	58	65	68	69	69	65	74	69	1,576
16	64	62	60	62	65	69	82	82	79	73	57	60	57	54	53	50	51	58	62	65	65	62	72	67	1,531
17	64	63	65	65	67	66	71	69	65	64	57	59	45	42	41	42	40	48	53	53	55	55	66	65	1,380
18	59	59	59	58	59	63	64	63	65	65	58	59	58	57	54	55	43	54	55	55	57	56	64	62	1,401
19	62	60	60	62	63	63	74	75	73	71	59	53	51	49	49	55	57	62	64	68	66	65	71	66	1,498
20	63	60	59	58	61	67	79	82	78	74	59	56	52	51	51	54	53	62	66	65	65	62	71	65	1,513
21	61	62	62	63	64	67	76	71	74	73	61	60	54	56	52	51	51	59	62	63	65	63	73	68	1,511
22	65	61	60	62	61	62	68	73	75	72	59	60	53	54	52	55	54	60	64	63	63	62	72	63	1,493
23	63	57	57	57	57	60	68	67	72	68	60	61	54	56	56	55	57	64	65	66	62	60	69	56	1,467
24	46	44	44	43	47	46	50	51	53	50	50	50	36	33	33	33	32	40	42	43	42	43	54	52	1,057
25	53	50	50	49	48	48	49	51	53	55	51	48	44	41	39	41	30	36	41	42	42	40	51	48	1,100
26	46	43	44	44	44	48	49	53	52	52	51	52	52	45	45	35	34	42	49	49	48	46	54	51	1,128
27	51	54	59	62	61	65	70	71	74	74	61	59	58	56	48	48	51	58	65	66	65	63	72	69	1,480
28	65	61	62	63	63	65	69	75	74	73	63	59	56	57	52	52	55	58	65	67	64	64	72	67	1,521
29	64	58	56	60	61	64	67	70	74	70	58	61	58	57	57	56	58	63	66	67	64	62	70	63	1,504
30	61	61	60	61	62	61	70	72	71	72	57	58	53	57	51	53	52	60	64	64	63	62	72	65	1,482
31	58	57	57	56	58	58	58	57	58	58	61	59	44	42	39	38	40	48	54	52	51	52	62	56	1,273
	1,789	1,742	1,748	1,769	1,805	1,881	2,131	2,171	2,142	2,072	1,779	1,741	1,603	1,572	1,520	1,516	1,499	1,720	1,824	1,841	1,830	1,777	2,047	1,893	43,412

NTUA94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JANUARY 1994																									
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
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
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	450
4	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
5	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
6	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	800
7	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
8	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
9	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
10	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	1,150
11	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
12	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
13	0	0	0	0	0	0	50	50	50	50	50	0	0	0	0	0	0	0	50	50	50	50	0	0	450
14	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
15	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	50	50	50	50	50	0	950
16	0	50	50	0	0	0	0	50	50	50	50	50	50	50	50	0	0	0	50	50	50	50	50	50	800
17	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
18	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
19	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	0	0	0	0	50	50	50	50	0	650
20	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	650
21	0	0	0	0	0	0	50	50	50	50	0	0	0	0	0	0	0	0	50	50	50	50	50	50	500
22	0	0	0	0	0	0	50	50	50	50	50	50	50	0	0	0	0	0	50	50	50	50	50	0	600
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0	200
24	0	0	0	0	0	0	50	50	50	50	50	0	0	0	0	0	0	0	0	50	50	50	50	50	500
25	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	650
26	50	50	0	0	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	500
27	0	0	0	0	0	0	50	50	50	50	50	0	50	50	50	50	50	50	50	50	50	50	50	50	850
28	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	600
29	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
30	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
31	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
	500	400	350	300	350	350	1,100	1,250	1,250	1,250	1,200	1,100	1,150	1,100	1,100	1,000	1,000	1,000	1,300	1,400	1,350	1,350	1,200	1,000	23,350

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
FEBRUARY 1994																									
1	50	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,100
2	50	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,050
3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
4	50	50	50	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,100
5	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
6	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
7	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
8	50	50	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,000
9	50	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
10	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
11	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
12	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
13	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
14	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
15	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
16	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
17	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
18	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
19	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
20	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
21	50	50	50	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,100
22	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
23	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
24	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
25	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
26	50	50	50	50	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,100
27	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	0	400
28	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
	1,300	1,050	1,000	900	900	1,050	1,250	1,300	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,400	1,400	1,400	1,400	1,400	1,350	30,600

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MARCH 1994																									
1	50	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
2	50	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	850
3	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	650
4	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0	300
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	150
7	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
8	0	0	0	0	0	0	0	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	300
9	0	0	0	0	0	0	50	50	50	50	50	50	50	0	0	0	0	0	50	50	50	50	50	50	650
10	50	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	600
11	0	0	0	0	0	0	0	0	0	0	0	50	50	50	25	50	50	0	0	0	0	0	0	0	275
12	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	0	0	50	50	50	0	0	0	300
13	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
14	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
15	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
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0	300
17	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	0	0	450
18	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	750
19	50	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	650
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	0	0	250
21	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
22	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
23	50	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
24	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
25	50	50	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	950
26	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
27	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
28	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	700
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	150
30	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	650
31	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	50	50	50	50	50	50	0	0	450
	350	50	0	0	0	0	200	400	600	650	750	950	1,000	900	825	850	900	1,000	1,150	1,200	1,200	1,100	850	400	15,325

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
APRIL 1994																									
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
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
3	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
4	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	50	50	50	50	50	50	50	25	525
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	200
6	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	0	0	0	0	0	0	0	0	150
7	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	0	550
8	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	700
9	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	0	0	0	50	50	0	0	200
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	150
11	0	0	0	0	0	0	50	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
12	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	800
13	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	800
14	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	850
15	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
16	0	0	0	0	0	0	50	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	50	50	50	50	50	375
18	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
19	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
20	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	900
21	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
22	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
23	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	750
24	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
25	0	0	0	0	0	0	50	50	50	50	50	50	50	50	0	0	0	0	0	50	50	50	50	0	600
26	0	0	0	0	0	0	0	50	50	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	200
27	0	0	0	0	0	0	0	0	50	50	50	50	25	25	50	50	0	0	0	0	0	0	0	0	350
28	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	600
29	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
30	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
	50	0	0	0	0	0	450	650	750	850	850	1,050	975	875	825	825	825	825	825	1,000	1,000	900	750	375	14,650

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MAY 1994																									
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
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	500
3	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
4	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	700
5	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	700
6	0	0	0	0	0	0	0	0	50	50	50	50	50	0	0	0	50	50	25	0	0	0	0	0	375
7	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	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
9	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
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	200
11	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
12	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
13	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	600
14	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	700
15	50	50	0	50	50	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	850
16	50	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	750
17	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0	0	0	0	0	0	0	300
18	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	0	0	550
19	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
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0	0	0	300
21	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
22	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
23	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
24	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	750
25	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
26	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
27	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	650
28	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	700
29	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	600
30	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	600
31	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	800
	100	100	0	50	50	0	0	200	350	550	700	850	900	850	900	950	1,000	950	925	950	900	800	650	300	13,025

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JUNE 1994																									
1	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	500
2	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	600
3	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	700
4	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	500
5	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	0	0	0	400
6	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	600
7	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
8	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
9	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	750
10	50	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
11	50	50	50	50	50	50	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,100
12	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	550
13	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	750
14	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
15	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	650
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	450
17	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	650
18	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	700
19	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	600
20	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	700
21	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
22	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
23	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
24	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
25	50	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
26	50	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
27	50	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
28	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
29	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
30	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
	350	150	150	150	150	150	350	400	900	1,100	1,150	1,200	1,300	1,450	1,450	1,500	1,500	1,500	1,500	1,500	1,450	1,350	1,200	900	22,800

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JULY 1994																									
1	50	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	750
2	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	700
3	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	600
4	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	0	0	0	0	0	400
5	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	600
6	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	0	0	0	0	0	350
7	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	0	550
8	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	650
9	50	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
10	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	650
11	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
12	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
13	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	750
14	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
15	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
16	50	50	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	650
17	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	0	0	0	0	0	450
18	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	600
19	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	0	0	0	0	0	400
20	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	700
21	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
22	50	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	750
23	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	0	0	500
24	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	600
25	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
26	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
27	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
28	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
29	50	50	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,000
30	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	800
31	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	650
	300	150	50	50	50	50	100	350	750	900	1,150	1,450	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,350	1,350	1,200	850	550	21,500

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
AUGUST 1994																									
1	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
2	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
3	50	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
4	50	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
5	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
6	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,200
7	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	700
8	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	600
9	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	750
10	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
11	50	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,000
12	50	50	50	50	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	1,050
13	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
14	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	700
15	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
16	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	800
17	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
18	50	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	800
19	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
20	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	750
21	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	650
22	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	550
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0	0	0	300
24	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	500
25	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	800
26	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	700
27	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	0	550
28	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	600
29	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	700
30	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
31	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	650
	300	100	100	100	50	100	250	450	950	1,100	1,250	1,350	1,400	1,450	1,450	1,500	1,500	1,500	1,500	1,450	1,400	1,350	1,250	850	22,700

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
SEPTEMBER 1994																									
1	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	750
2	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	700
3	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
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
5	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	0	500
6	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	700
7	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	800
8	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	750
9	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	0	0	500
10	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	0	0	0	0	0	0	400
11	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
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	0
13	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
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0	0	200
15	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	0	0	0	0	350
16	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	0	0	500
17	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	600
18	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	650
19	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	0	0	50	50	50	0	650
20	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	850
21	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	800
22	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	800
23	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	650
24	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	600
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	0	0	400
26	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	600
27	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	700
28	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	0	0	500
29	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0	50	50	50	50	50	50	0	0	0	500
30	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	200	400	550	600	750	900	1,050	1,050	1,100	1,150	1,150	1,150	1,100	1,100	1,050	800	250	100	14,450

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
OCTOBER 1994																									
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
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
3	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
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
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
6	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	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	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
9	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
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	0
11	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
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	0
13	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0	0	200
25	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
26	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
27	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
28	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
29	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
30	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
31	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	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0	0	200

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
NOVEMBER 1994																									
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
2	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	0	0	550
3	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	0	0	0	50	50	50	50	0	0	550
4	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	0	0	0	0	50	50	0	0	0	500
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
6	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	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	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
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	50
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0	0	0	300
11	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
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	0
13	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
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	350
15	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
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0	300
17	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
18	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	800
19	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	850
20	0	0	0	0	0	0	0	0	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	150
21	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	650
22	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	0	750
23	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	0	150
24	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	0	0	0	0	0	0	0	0	150
25	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
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	300
27	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	250
28	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	950
29	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	0	850
30	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	600
	50	0	0	0	0	50	300	400	500	500	600	550	550	500	500	450	450	650	650	700	650	500	350	150	9,050

NPC94.XLS

SALES FOR RESALE

ITEM A 1(B)

NEVADA POWER COMPANY

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
DECEMBER 1994																									
1	0	0	0	0	0	0	50	50	50	50	50	50	0	0	0	0	0	50	50	50	50	50	50	0	600
2	0	0	0	0	0	0	0	50	50	50	50	0	0	0	0	0	0	0	50	50	50	50	0	0	400
3	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
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
5	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	0	600
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	0	250
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	300
8	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	850
9	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	900
10	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0	0	0	50	50	50	50	50	50	50	550
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	350
12	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	300
13	0	0	0	0	0	0	0	50	50	50	50	50	0	0	0	0	0	50	50	50	50	50	50	50	600
14	0	0	0	0	0	50	50	50	50	50	50	50	50	50	0	0	0	50	50	50	50	50	50	50	800
15	0	0	0	0	0	0	50	50	50	50	0	0	0	0	0	0	0	0	50	50	50	50	50	50	500
16	0	0	0	0	0	0	50	50	50	50	50	0	0	0	0	0	0	0	50	50	50	0	0	0	400
17	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
18	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
19	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
20	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	0	0	0	550
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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	50	250	400	450	450	450	400	300	250	200	200	200	450	700	750	750	650	600	450	7,950

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JANUARY 1994																									
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
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
3	0	0	0	0	0	0	0	100	100	100	100	100	100	50	0	0	0	0	0	0	0	0	0	0	650
4	0	0	0	0	0	0	0	100	50	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	350
5	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	400
6	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	500
7	0	0	0	0	0	0	0	100	100	100	100	50	0	0	0	0	0	0	100	100	100	0	0	0	750
8	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	100	100	100	100	100	50	0	1,350
9	0	0	0	0	0	0	100	100	100	100	100	100	50	0	0	0	0	0	100	100	100	100	0	0	1,050
10	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	100	100	100	100	100	100	0	1,300
11	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	100	100	100	100	100	100	100	1,400
12	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400
13	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300
14	0	0	0	0	0	0	100	100	100	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350
15	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
16	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	200
17	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	1,550
18	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	600
19	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400
20	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
21	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
22	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
23	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
24	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
25	0	0	0	0	0	0	100	100	100	50	0	0	100	100	0	0	0	0	100	100	100	100	0	0	950
26	0	0	0	0	100	100	100	100	100	100	50	0	0	0	0	0	0	0	100	100	100	100	100	0	1,150
27	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	0	100	100	100	100	100	100	0	1,600
28	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
29	0	0	0	0	0	0	0	100	100	100	100	100	100	50	0	0	0	0	100	100	50	0	0	0	900
30	0	0	0	0	0	0	50	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	750
31	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300
	0	0	0	0	100	200	1,550	2,200	2,300	1,700	1,250	1,050	950	600	200	100	100	500	1,300	1,300	950	800	500	100	17,750

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
FEBRUARY 1994																									
1	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	100	100	0	0	800
2	0	0	0	0	50	100	100	100	100	100	0	0	0	0	0	0	0	0	100	100	100	100	100	0	1,050
3	0	0	0	0	50	50	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	700
4	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	50	100	100	100	100	0	1,150
5	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
6	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	100	100	100	0	0	0	900
7	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	1,000
8	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	1,750
9	0	0	0	0	0	0	100	100	100	100	100	100	100	100	50	25	25	0	100	100	100	100	100	0	1,400
10	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	50	75	100	100	100	100	100	100	1,725
11	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	1,400
12	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,650
13	0	0	0	0	0	0	0	100	100	100	100	100	100	50	0	0	0	0	100	100	100	100	100	0	1,150
14	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,700
15	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,600
16	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,700
17	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,300
18	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	1,000
19	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,450
20	0	0	0	0	0	0	50	100	100	100	100	100	100	50	0	0	0	0	100	100	50	0	0	0	950
21	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,600
22	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,800
23	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,800
24	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,700
25	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,550
26	0	0	0	0	0	0	0	0	100	50	0	0	0	0	0	0	0	0	100	100	100	50	0	0	500
27	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
28	0	0	0	0	0	0	0	100	50	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	850
	0	0	0	0	200	750	1,950	2,400	2,350	2,250	2,200	2,100	1,900	1,800	1,750	1,625	1,575	1,575	2,250	2,300	2,250	1,800	1,100	150	34,275

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MARCH 1994																									
1	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,500
2	0	0	0	0	0	0	100	100	100	100	50	50	100	100	100	100	100	100	100	100	100	0	0	0	1,400
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	100	0	0	0	0	250
4	0	0	0	0	0	0	0	0	0	0	100	0	0	75	75	25	0	100	100	100	100	50	0	0	725
5	0	0	0	0	0	0	0	0	0	0	100	100	75	25	25	0	0	0	0	50	50	50	0	0	475
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	100
7	0	0	0	0	0	0	0	100	100	100	50	0	100	100	100	100	100	100	100	100	100	100	100	0	1,450
8	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	100	100	25	0	0	0	925
9	0	0	0	0	0	0	100	100	100	50	0	0	0	0	0	0	0	0	50	0	0	0	0	0	400
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	0
11	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
12	0	0	0	0	0	0	0	0	0	0	75	0	0	0	0	0	0	0	50	100	0	0	0	0	225
13	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
14	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,100
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	400
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	300
17	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	0	0	0	900
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	50	0	0	0	200
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	200
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	50	0	0	0	250
21	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,500
22	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,650
23	0	0	0	0	0	0	100	100	100	50	100	100	100	100	100	100	100	100	100	100	100	100	50	0	1,600
24	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,700
25	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,500
26	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	50	50	100	100	100	100	75	0	1,375
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	0	0	300
28	0	0	0	0	0	0	0	50	100	100	100	100	100	50	50	0	0	0	100	100	100	0	0	0	950
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	200
30	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
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	100
	0	0	0	0	0	50	700	1,050	1,200	1,100	1,375	1,150	1,375	1,250	1,250	1,125	1,050	1,300	1,950	2,550	1,975	900	325	0	21,675

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
APRIL 1994																									
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
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
3	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
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
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	100	100	0	0	275
6	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	50	0	0	0	200
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	0
9	0	0	0	0	0	0	0	0	0	75	100	100	100	0	0	0	0	0	0	0	0	0	0	0	375
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	100
11	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
12	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,450
13	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,400
14	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,450
15	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	0	0	0	750
16	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	50	0	1,150
17	0	0	0	0	0	0	0	0	0	50	50	100	100	100	100	100	100	100	100	100	100	100	100	50	1,350
18	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,250
19	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	1,450
20	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,400
21	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,350
22	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
23	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,200
24	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
25	0	0	0	0	0	0	0	0	100	100	50	50	50	0	0	0	0	0	0	100	0	0	0	0	450
26	0	0	0	0	0	0	0	0	0	100	100	100	100	0	50	0	0	0	0	100	100	100	50	0	800
27	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	1,550
28	0	0	0	0	0	0	100	100	100	100	100	100	100	100	50	0	0	0	0	100	100	100	100	0	1,250
29	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,350
30	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	100	300	1,000	1,475	1,500	1,650	1,650	1,450	1,500	1,400	1,400	1,400	1,500	1,925	1,750	1,400	600	50	22,050

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
MAY 1994																									
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	100	100	100	100	100	100	0	0	700
2	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
3	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,450
4	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,400
5	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,200
6	0	0	0	0	0	0	0	0	0	0	0	100	50	0	50	100	100	100	0	0	0	0	0	0	500
7	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	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
9	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
10	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	50
11	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
12	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	0	0	1,050
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	950
14	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,300
15	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1,600
16	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
17	0	0	0	0	0	0	0	0	50	50	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,200
18	0	0	0	0	0	0	0	0	0	50	50	100	100	100	100	100	100	100	100	0	0	0	0	0	900
19	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	300
20	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	50	50	50	50	50	0	0	0	550
21	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,200
22	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	1,100
23	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
24	0	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	600
25	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
26	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
27	0	0	0	0	0	0	0	0	0	25	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,175
28	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	50	0	1,250
29	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,200
30	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,300
31	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,600
	0	0	0	0	0	0	0	250	850	1,125	1,750	2,050	1,950	1,950	2,050	2,150	2,150	2,150	2,050	1,950	1,950	1,650	850	200	27,075

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JUNE 1994																									
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	0	0	0	0	500
2	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
3	0	0	0	0	0	0	0	50	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
4	0	0	0	0	0	0	0	0	0	100	100	50	50	100	100	100	100	100	100	0	0	0	0	0	900
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
6	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	1,000
7	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
8	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
9	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	1,100
10	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	50	0	1,100
11	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	0	0	0	0	850
12	0	0	0	0	0	0	0	0	0	0	0	50	100	0	0	100	100	100	0	0	0	0	0	0	450
13	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,150
14	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	1,100
15	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
16	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
17	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
18	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	1,200
19	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	50	50	50	0	0	0	0	0	0	650
20	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	300
21	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
22	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,400
23	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,400
24	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
25	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,300
26	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	1,200
27	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	50	0	0	0	0	0	850
28	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1,600
29	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
30	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
	0	0	0	0	0	0	0	50	750	1,500	1,900	2,100	2,250	2,200	2,200	2,350	2,350	2,350	2,150	1,800	1,500	1,450	1,150	100	28,150

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
JULY 1994																									
1	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,350
2	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,400
3	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,200
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
5	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,100
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	25	25	25	0	0	0	0	0	0	150
7	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	0	0	0	0	650
8	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	50	50	0	1,100
9	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	0	0	1,000
10	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	0	0	1,000
11	0	0	0	0	0	0	0	0	0	0	0	30	100	100	100	100	100	100	100	100	100	100	100	0	1,130
12	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,350
13	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	0	0	0	1,050
14	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,100
15	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,100
16	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	1,100
17	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	50	0	0	0	0	0	0	650
18	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
19	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	0	700
20	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	0	0	0	0	0	0	650
21	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	1,250
22	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	700
23	0	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	50	0	0	0	0	700
24	0	0	0	0	0	0	0	0	0	0	75	100	100	100	100	100	100	100	100	0	0	0	0	0	875
25	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	1,200
26	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,500
27	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,600
28	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,650
29	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1,500
30	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
31	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1,450
	0	0	0	0	0	0	50	300	550	950	1,425	2,330	2,650	2,750	2,875	2,825	2,825	2,775	2,500	2,250	2,100	1,300	950	300	31,705

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
AUGUST 1994																									
1	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,550
2	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,500
3	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	1,550
4	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,200
5	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
6	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
7	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	900
8	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0	0	0	0	0	500
9	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
10	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	1,150
11	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1,600
12	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,450
13	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,250
14	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,200
15	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,400
16	0	0	0	0	0	0	0	50	50	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,400
17	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,200
18	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,100
19	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,250
20	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,200
21	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	0	0	0	0	1,050
22	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,250
23	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,300
24	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
25	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	1,000
26	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
27	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
28	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,200
29	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
30	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,300
31	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,600
	0	0	0	0	0	0	150	300	1,000	2,500	3,100	3,100	3,100	3,100	3,100	3,000	3,000	3,000	2,900	2,800	2,600	2,000	300	150	39,200

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
SEPTEMBER 1994																									
1	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,600
2	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	1,400
3	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
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
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	50
6	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	1,200
7	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	50	0	0	1,250
8	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,100
9	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	1,100
10	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	0	0	800
11	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	100
12	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	1,100
13	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
14	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
15	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
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	600
17	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	600
18	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	50	0	0	0	1,100
19	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	0	0	1,150
20	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	50	0	0	0	0	750
21	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
22	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	0	0	0	0	0	750
23	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	800
24	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	50	0	0	0	0	0	0	0	0	400
25	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
26	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	800
27	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	800
28	0	0	0	0	0	0	0	0	0	50	50	50	100	100	100	100	100	100	100	100	100	50	0	0	1,100
29	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	800
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	50
	0	0	0	0	0	0	100	200	200	500	1,000	1,150	1,900	1,900	2,050	1,950	1,900	1,950	1,700	1,550	850	400	100	0	19,400

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
OCTOBER 1994																									
1	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	0	0	0	0	0	0	100
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
3	0	0	0	0	0	0	0	0	0	0	0	0	50	100	100	100	100	100	100	100	100	0	0	0	850
4	0	0	0	0	0	0	0	0	0	100	100	100	50	0	0	0	0	0	0	0	0	0	0	0	350
5	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
6	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	150
7	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	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
9	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
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	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	700
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	50	0	0	0	0	0	0	200
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	50	0	0	0	0	0	350
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	0	0	0	0	0	0	0	0	0	0	0	0	60	60	60	60	60	60	50	0	0	0	0	0	410
31	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	50	0	50	50	50	0	0	0	0	1,000
	0	0	0	0	0	0	0	100	100	300	250	250	310	310	360	460	460	460	350	250	200	0	0	0	4,160

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
NOVEMBER 1994																									
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
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
3	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
4	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
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
6	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	100
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	0
9	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
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	0
11	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
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	0
13	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
14	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
15	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
16	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
17	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
18	0	0	0	0	0	0	0	100	50	50	0	0	0	0	0	0	0	100	100	100	50	0	0	0	550
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	0	0	0	100
20	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
21	0	0	0	0	0	0	0	100	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150
22	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
23	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
24	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
25	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
26	0	0	0	0	0	0	0	50	100	100	100	50	50	0	0	0	0	0	100	100	100	0	0	0	750
27	0	0	0	0	0	0	0	0	0	50	100	50	50	0	0	0	0	100	100	100	100	100	0	0	750
28	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1,800
29	0	0	0	0	0	100	100	100	100	100	100	100	100	50	0	0	0	100	100	100	100	100	100	0	1,450
30	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	100	100	100	100	100	100	100	0	1,400
	0	0	0	0	0	100	300	650	500	500	500	400	400	150	100	100	200	550	700	650	550	400	300	100	7,150

SRP94.XLS

SALES FOR RESALE

ITEM A 1(B)

SALT RIVER PROJECT

DAY	HR 1	HR 2	HR 3	HR 4	HR 5	HR 6	HR 7	HR 8	HR 9	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24	TOTAL
DECEMBER 1994																									
1	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	100	100	100	100	100	0	0	700
2	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	100	100	50	0	0	0	550
3	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
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
5	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	50	100	100	100	100	100	100	100	0	1,550
6	0	0	0	0	0	0	100	100	100	100	100	100	100	50	0	0	0	0	100	100	100	100	50	0	1,200
7	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	700
8	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	1,700
9	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	50	100	100	100	100	100	0	1,150
10	0	0	0	0	25	100	100	100	100	100	100	100	0	0	0	0	0	0	0	100	75	0	0	0	900
11	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	50	100	100	100	100	100	100	1,350
12	0	0	0	0	0	0	100	100	50	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	650
13	0	0	0	0	0	0	0	100	100	50	0	0	0	0	0	0	0	0	100	100	100	100	0	0	650
14	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	700
15	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	600
16	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	100	100	50	0	0	0	650
17	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
18	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
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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	25	100	1,100	1,400	1,350	750	600	600	400	250	200	150	200	400	1,300	1,400	1,275	1,000	450	100	13,050

SRP94.XLS

HOURLY LOSSES - EEI FORMAT
1994

ITEM A 1(c)

The following pages contain the hourly losses. These data are also provided in file loss1994.xls.

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
1 1941	64	62	61	61	62	63	67	69	71	73	73	71
1 1942	70	67	65	65	66	72	78	77	76	74	70	65
1 2941	61	60	60	60	61	64	67	72	74	75	74	73
1 2942	70	68	67	66	68	74	82	80	79	75	70	63
1 3941	60	60	60	61	64	72	85	89	89	87	85	82
1 3942	79	78	78	76	77	82	88	87	85	80	73	67
1 4941	62	62	62	63	66	74	86	91	88	84	82	79
1 4942	78	77	76	76	75	80	88	85	83	78	71	64
1 5941	61	60	60	61	63	70	84	89	86	82	81	80
1 5942	80	79	77	78	79	86	87	86	81	80	71	64
1 6941	60	60	60	61	62	71	83	88	86	84	83	82
1 6942	79	78	77	76	77	84	93	92	90	85	78	71
1 7941	68	68	67	69	72	81	93	99	97	93	90	85
1 7942	83	80	80	78	76	82	89	88	87	83	78	73
1 8941	69	69	69	70	71	75	81	87	90	89	86	83
1 8942	78	75	72	71	72	78	86	84	81	79	74	69
1 9941	66	65	65	66	66	69	74	79	84	83	80	78
1 9942	75	73	71	70	71	78	86	85	83	79	75	68
110941	66	66	65	68	71	80	93	99	97	93	90	87
110942	82	80	78	77	77	83	91	91	89	83	77	69
111941	67	67	67	68	72	80	93	97	95	91	87	83
111942	80	78	77	76	77	84	90	89	87	82	76	70
112941	67	67	68	68	71	79	95	99	95	91	87	83
112942	81	79	78	77	79	85	93	92	91	84	78	71
113941	68	68	68	70	73	81	96	101	96	92	89	84
113942	83	81	78	77	78	84	92	90	88	83	77	69
114941	67	65	66	66	69	77	91	96	94	90	87	84
114942	82	79	78	76	76	80	86	84	81	78	72	67
115941	63	64	63	63	64	68	72	77	81	81	81	78
115942	76	74	73	72	72	76	82	80	78	75	71	66
116941	63	63	62	62	63	66	71	75	78	78	76	74
116942	73	71	70	69	70	76	82	81	78	75	71	66
117941	64	64	63	65	67	73	82	87	89	87	85	82
117942	80	78	76	75	76	80	89	87	85	80	73	67
118941	63	63	64	64	67	75	88	95	90	87	83	80
118942	78	77	77	76	77	79	88	86	83	79	73	66
119941	63	62	63	63	65	74	87	92	88	85	83	80
119942	79	78	77	77	77	81	88	87	84	79	72	66
120941	62	62	62	62	64	72	85	90	88	85	83	81
120942	80	79	78	77	76	80	88	86	84	80	74	67
121941	65	63	63	63	65	73	86	92	90	86	84	82
121942	81	79	78	77	76	79	85	83	80	77	72	66
122941	63	62	61	62	63	66	72	77	80	81	80	78
122942	75	72	72	71	72	76	82	80	77	74	69	64
123941	61	59	58	58	59	61	65	69	73	74	75	74
123942	74	72	70	70	72	76	81	80	78	74	68	62
124941	58	58	57	58	57	66	78	83	82	81	80	80
124942	79	79	78	78	77	80	87	85	82	77	69	62
125941	59	58	58	59	60	68	81	85	82	80	85	80
125942	79	79	78	77	78	82	90	89	86	81	74	67
126941	64	63	63	63	65	74	86	92	88	85	83	80
126942	79	78	76	76	76	80	89	89	87	83	74	68
127941	65	65	65	66	69	77	90	94	92	88	84	82

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
127942	80	79	77	75	77	82	90	89	88	83	75	68
128941	64	63	64	63	65	73	85	91	91	91	92	90
128942	88	86	82	82	84	89	93	92	91	87	81	74
129941	70	69	70	70	72	77	83	90	93	92	89	84
129942	80	76	73	72	73	77	86	86	84	81	77	72
130941	69	68	68	68	70	72	78	82	85	84	82	79
130942	76	74	72	71	71	74	82	84	85	82	76	70
131941	67	67	67	69	72	81	95	100	98	94	91	87
131942	84	82	80	78	78	84	93	94	92	87	79	72
2 1941	69	70	70	71	74	84	98	103	99	95	91	87
2 1942	85	83	81	79	80	85	94	95	93	88	81	73
2 2941	75	69	69	70	73	82	94	100	95	93	90	87
2 2942	84	82	80	79	81	87	93	91	90	86	79	73
2 3941	69	68	68	69	72	82	94	101	97	92	87	84
2 3942	81	80	78	77	78	82	89	90	88	84	77	70
2 4941	65	65	64	64	65	73	85	90	89	89	87	84
2 4942	82	79	76	75	75	78	83	84	82	78	73	67
2 5941	63	62	61	62	64	67	73	78	81	81	79	77
2 5942	74	71	70	69	70	72	80	80	78	75	71	66
2 6941	63	61	61	61	63	65	70	75	77	76	74	72
2 6942	71	69	68	67	68	71	79	80	78	74	69	62
2 7941	58	57	56	57	60	67	79	85	85	84	84	83
2 7942	81	80	80	82	85	91	94	92	89	84	76	67
2 8941	64	64	64	64	65	72	84	89	89	88	88	86
2 8942	85	83	81	80	83	89	94	93	90	85	77	69
2 9941	66	65	64	65	66	74	88	92	91	89	86	85
2 9942	83	81	79	78	78	81	89	90	88	84	77	70
210941	66	65	64	65	68	76	90	94	90	86	83	80
210942	79	77	76	75	76	79	88	88	86	82	74	67
211941	64	63	62	63	65	73	85	90	88	85	83	80
211942	79	78	77	76	75	78	85	85	83	80	74	69
212941	64	64	64	64	66	70	76	83	85	84	82	79
212942	76	73	71	70	71	74	82	83	81	79	75	69
213941	66	65	64	64	65	68	72	76	79	80	79	77
213942	74	72	69	68	69	72	80	80	79	75	69	62
214941	58	58	58	59	61	68	80	85	85	84	83	81
214942	79	77	76	75	75	76	83	83	81	77	70	63
215941	60	59	59	60	62	71	83	87	83	80	78	76
215942	75	75	74	74	74	76	82	83	81	76	69	63
216941	58	58	57	59	60	67	80	85	83	80	79	78
216942	78	78	78	77	76	78	84	84	81	76	68	61
217941	57	55	54	54	56	62	73	76	75	76	77	77
217942	78	78	77	76	77	80	83	83	80	75	69	62
218941	58	56	55	55	56	63	73	78	81	82	83	81
218942	80	78	77	76	76	79	84	84	81	77	72	66
219941	63	61	60	60	61	65	71	75	79	80	78	76
219942	75	73	72	71	71	73	81	82	80	78	73	68
220941	65	64	63	64	64	67	72	76	80	80	79	76
220942	73	71	68	68	68	73	79	81	79	76	70	64
221941	60	59	59	60	61	68	79	86	87	87	85	82
221942	80	78	76	76	76	80	86	87	85	80	74	67
222941	63	61	61	62	64	72	85	88	85	83	81	79
222942	78	76	75	73	73	77	84	87	85	81	74	68

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
223941	65	64	64	65	68	76	89	93	90	87	84	82
223942	80	79	77	77	75	78	84	87	84	81	75	68
224941	65	64	65	65	69	76	87	91	89	85	83	80
224942	78	77	76	75	74	76	82	84	81	78	72	66
225941	62	61	62	63	65	70	81	85	85	84	81	79
225942	78	77	75	74	74	76	81	82	79	75	70	65
226941	60	59	58	58	59	62	67	72	74	75	75	75
226942	73	72	70	69	70	71	75	78	76	72	68	63
227941	59	58	57	57	58	60	65	68	70	71	71	71
227942	70	69	68	68	69	71	77	79	77	74	68	61
228941	58	57	57	58	60	68	80	85	83	81	80	79
228942	79	79	77	76	76	77	83	85	82	77	70	63
3 1941	60	59	59	60	62	69	82	85	82	80	79	78
3 1942	77	76	76	75	76	77	82	84	81	77	69	63
3 2941	59	57	57	58	60	67	79	84	83	82	81	79
3 2942	79	79	79	79	78	79	85	86	83	77	69	62
3 3941	58	57	56	56	57	63	74	78	78	77	79	80
3 3942	81	81	82	81	80	81	84	86	83	78	70	62
3 4941	58	56	56	55	56	62	72	76	77	78	79	80
3 4942	80	81	81	80	79	78	80	83	79	75	69	64
3 5941	59	57	56	56	55	58	63	67	71	74	75	75
3 5942	75	74	72	73	73	74	77	80	77	73	68	62
3 6941	58	56	56	55	56	58	61	63	66	69	70	72
3 6942	71	70	70	70	71	72	76	79	78	74	69	60
3 7941	57	56	55	55	57	62	73	77	78	80	82	83
3 7942	82	79	78	77	77	80	84	86	82	78	70	63
3 8941	59	58	58	59	61	68	80	83	80	79	77	77
3 8942	76	75	75	74	75	76	81	85	82	78	71	64
3 9941	61	60	60	60	62	70	82	84	82	81	80	79
3 9942	78	78	77	77	77	77	81	85	83	78	70	63
310941	60	59	59	59	61	68	79	82	81	80	79	79
310942	79	80	80	79	79	79	82	85	82	78	71	63
311941	60	58	57	58	59	65	75	79	80	81	80	80
311942	80	79	78	77	75	75	78	81	78	75	71	63
312941	60	57	57	58	58	60	65	70	74	75	75	74
312942	73	71	69	68	69	70	75	78	76	72	63	58
313941	59	57	57	55	56	59	62	65	70	72	74	74
313942	73	72	70	69	68	71	76	80	78	74	68	63
314941	58	57	57	57	59	66	76	79	79	80	81	81
314942	81	79	79	79	78	78	80	85	81	76	68	62
315941	57	56	55	53	59	62	72	75	75	77	78	79
315942	80	80	81	82	80	80	81	85	82	77	68	61
316941	57	56	55	55	56	62	72	75	76	77	80	81
316942	83	85	85	86	85	84	87	88	85	80	72	64
317941	60	58	56	56	57	62	70	74	76	79	82	83
317942	85	86	88	87	87	86	87	90	86	81	72	65
318941	59	57	56	56	57	62	70	74	76	78	80	81
318942	82	81	80	78	79	80	82	82	80	75	69	63
319941	60	58	57	56	56	59	62	66	71	74	75	76
319942	74	74	73	73	75	77	79	80	78	74	70	63
320941	60	58	57	56	57	58	60	63	67	70	72	73
320942	72	71	70	69	71	72	75	79	77	73	68	60
321941	56	56	55	55	57	64	74	77	78	79	80	81

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
321942	81	81	81	81	80	80	82	85	83	77	70	63
322941	58	56	55	55	57	62	72	75	76	78	79	79
322942	81	80	81	80	80	80	82	86	83	77	70	62
323941	59	57	55	56	57	63	71	74	74	77	79	79
323942	80	80	80	79	79	80	83	85	82	77	70	63
324941	59	58	56	57	58	64	72	76	78	79	81	81
324942	81	81	82	81	80	79	81	86	84	78	71	64
325941	59	57	57	56	58	63	72	76	77	79	79	79
325942	78	78	77	76	76	77	79	82	80	76	70	64
326941	59	58	56	58	58	61	64	69	73	78	78	78
326942	77	75	74	72	72	73	77	81	79	75	71	65
327941	63	61	59	59	59	62	64	67	69	71	72	72
327942	71	71	69	68	70	72	74	79	77	74	68	62
328941	59	58	57	58	60	67	76	80	81	81	81	80
328942	79	79	79	78	79	79	81	85	83	77	71	64
329941	60	58	58	58	60	66	75	79	78	79	79	79
329942	79	80	80	80	80	80	81	86	83	78	71	64
330941	60	58	57	57	59	64	73	77	80	81	81	83
330942	84	84	85	85	84	82	83	87	85	80	72	64
331941	60	58	57	57	58	63	70	73	77	79	81	82
331942	84	86	86	86	86	84	84	88	85	80	73	66
4 1941	61	57	57	57	58	62	68	72	76	80	82	85
4 1942	85	85	85	85	84	83	82	85	82	78	71	64
4 2941	60	59	58	58	58	60	62	65	71	74	76	77
4 2942	78	78	78	78	77	77	79	82	80	77	71	65
4 3941	61	58	56	56	56	57	59	62	65	68	70	71
4 3942	73	73	72	72	72	71	74	78	77	74	68	62
4 4941	59	57	56	56	57	61	66	71	76	79	82	83
4 4942	84	83	83	82	81	80	81	85	83	78	72	63
4 5941	59	57	56	56	57	62	70	74	77	79	80	80
4 5942	80	80	80	79	79	79	79	84	83	77	70	63
4 6941	59	58	57	57	59	65	73	78	80	79	80	80
4 6942	80	81	81	81	81	80	80	85	83	78	71	63
4 7941	59	57	55	56	57	62	70	73	75	77	79	79
4 7942	81	81	81	82	81	79	80	84	82	77	69	62
4 8941	58	56	56	56	57	62	69	74	77	80	82	82
4 8942	83	83	82	82	81	79	79	83	82	78	71	65
4 9941	61	59	57	57	57	59	61	65	70	74	75	76
4 9942	75	74	76	75	75	76	77	81	79	75	70	65
410941	61	59	58	58	59	59	59	61	66	68	70	72
410942	72	71	70	70	70	71	73	78	77	72	67	62
411941	57	56	56	56	58	64	72	76	78	79	80	80
411942	80	81	81	81	80	80	80	85	83	77	69	62
412941	58	56	55	56	57	62	69	73	74	77	79	79
412942	79	82	83	83	82	81	81	86	84	78	70	62
413941	58	56	56	56	57	62	69	74	76	79	82	83
413942	85	87	87	88	88	85	85	88	86	80	72	64
414941	59	57	56	56	58	62	69	73	76	79	82	84
414942	86	88	89	89	89	86	85	89	87	82	73	65
415941	60	58	57	56	57	61	69	74	77	80	82	85
415942	88	90	92	92	92	90	88	90	88	83	75	68
416941	62	59	58	57	57	58	60	65	72	78	81	85
416942	87	87	89	90	91	90	88	91	87	82	76	70

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
417941	65	62	60	59	59	59	59	63	70	75	81	84
417942	87	89	89	89	89	89	88	91	88	83	75	67
418941	61	60	59	58	59	63	70	76	81	86	90	94
418942	96	99	100	99	96	94	93	96	94	87	77	68
419941	63	61	59	58	58	62	68	74	79	85	91	95
419942	98	101	104	106	106	104	102	103	99	91	81	71
420941	66	63	62	60	61	65	72	79	84	90	96	101
420942	105	109	111	109	105	103	100	101	98	92	82	72
421941	67	64	62	61	61	65	72	79	85	90	96	100
421942	104	107	110	111	111	105	100	101	98	91	81	73
422941	67	65	63	62	62	67	73	80	86	92	97	101
422942	104	105	107	109	109	106	100	101	97	90	81	73
423941	68	64	64	62	61	64	65	70	76	82	88	91
423942	93	94	95	96	96	95	91	92	90	84	77	70
424941	65	62	61	60	59	59	60	63	69	73	76	78
424942	78	78	79	79	78	77	77	80	79	74	69	63
425941	60	58	57	57	57	61	68	74	76	78	80	81
425942	81	82	82	82	81	80	79	83	82	77	69	62
426941	58	56	55	56	57	62	69	73	76	77	80	82
426942	82	81	81	81	80	79	79	84	83	78	70	63
427941	59	58	58	57	55	57	63	68	69	71	73	73
427942	73	72	70	72	70	69	69	75	73	69	61	55
428941	51	49	49	49	50	56	63	68	69	71	73	73
428942	74	74	76	75	75	74	74	80	80	75	68	61
429941	57	56	55	55	56	61	68	73	76	78	80	80
429942	80	81	81	81	80	79	78	81	80	76	70	64
430941	60	57	56	55	55	57	59	65	69	73	75	77
430942	77	77	77	79	79	79	78	80	80	76	71	64
5 1941	59	57	55	55	55	55	56	60	65	70	72	75
5 1942	76	77	77	78	78	79	77	81	81	76	71	64
5 2941	59	56	55	56	57	60	68	73	79	80	85	87
5 2942	89	91	92	93	93	92	90	91	90	82	73	65
5 3941	60	58	57	56	57	61	68	73	77	81	85	88
5 3942	91	93	96	98	99	98	95	96	94	86	77	67
5 4941	62	60	59	57	59	62	69	76	80	85	91	95
5 4942	98	103	106	108	108	107	103	103	100	92	80	71
5 5941	65	62	60	60	60	61	69	76	82	89	94	98
5 5942	102	106	108	109	107	103	99	100	99	92	82	72
5 6941	67	64	61	61	61	65	72	78	84	90	94	97
5 6942	100	103	104	105	104	100	96	97	94	89	81	72
5 7941	66	63	61	60	59	60	62	67	73	80	83	86
5 7942	87	88	90	90	89	89	86	86	85	81	76	69
5 8941	64	62	60	58	56	56	57	60	66	71	74	76
5 8942	78	79	80	81	81	81	79	81	81	77	71	64
5 9941	60	58	57	57	56	60	68	74	79	83	86	87
5 9942	88	89	89	89	88	87	84	87	86	81	72	65
510941	60	58	57	56	58	61	68	73	76	79	80	81
510942	82	83	84	83	82	81	80	84	83	77	69	62
511941	59	57	56	56	56	61	68	74	76	79	82	84
511942	85	88	88	87	88	86	85	87	85	79	72	64
512941	59	57	57	57	57	61	68	73	76	80	83	86
512942	87	89	89	90	90	88	86	88	88	82	73	66
513941	61	59	58	57	58	61	68	74	80	86	90	93

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
513942	96	98	100	101	101	100	96	96	93	88	81	72
514941	67	63	58	56	56	57	59	65	72	79	84	90
514942	92	95	98	99	101	101	98	97	96	89	82	74
515941	68	65	62	60	59	58	59	64	72	79	87	91
515942	96	99	101	102	103	104	98	98	96	89	80	70
516941	64	61	59	58	59	62	70	78	85	91	96	100
516942	103	106	107	108	108	105	101	100	99	90	80	71
517941	65	62	60	59	60	62	70	75	81	85	90	94
517942	97	101	103	105	105	103	99	98	97	89	80	72
518941	66	63	62	62	62	65	72	79	86	91	94	98
518942	101	103	105	106	107	104	99	97	94	87	78	70
519941	64	62	60	59	60	62	69	74	78	83	88	90
519942	95	96	97	97	97	95	91	90	89	84	76	68
520941	63	60	58	58	59	61	67	73	78	84	87	91
520942	93	95	96	97	97	94	90	89	88	82	75	68
521941	63	60	58	58	58	58	61	65	72	78	83	87
521942	89	91	93	95	97	96	92	91	90	83	77	70
522941	65	63	60	59	58	58	59	62	69	75	80	86
522942	90	93	96	98	99	99	97	96	95	89	82	72
523941	66	64	62	61	62	64	71	78	86	93	99	104
523942	107	111	113	113	114	112	108	106	105	97	87	78
524941	71	68	66	65	65	67	78	80	85	88	93	96
524942	98	97	97	99	99	97	96	93	91	85	77	69
525941	65	61	60	60	60	64	71	76	81	85	87	89
525942	89	90	90	89	87	86	83	85	85	81	73	66
526941	62	61	60	60	60	63	68	74	79	84	89	91
526942	94	95	98	98	98	97	94	93	93	87	79	70
527941	65	62	60	59	59	62	68	76	84	89	96	100
527942	103	106	109	110	109	108	103	101	99	94	86	78
528941	72	66	65	63	62	62	65	72	81	88	95	99
528942	102	104	106	106	107	107	103	101	100	93	86	78
529941	72	68	64	63	61	61	62	66	74	81	88	94
529942	98	101	102	101	99	97	94	94	94	88	81	72
530941	67	62	60	59	59	58	60	66	74	82	90	95
530942	100	103	106	109	110	110	106	104	103	96	87	77
531941	72	68	65	64	65	67	73	82	92	100	107	113
531942	117	121	125	126	127	123	118	115	113	103	92	81
6 1941	73	68	65	65	64	66	72	81	89	97	103	109
6 1942	114	118	121	123	123	120	116	112	109	100	89	78
6 2941	70	66	63	62	63	64	72	78	86	95	102	107
6 2942	113	117	121	123	124	122	117	114	111	103	90	79
6 3941	72	68	65	65	65	66	74	82	90	99	107	112
6 3942	116	121	123	125	127	121	117	114	109	102	92	83
6 4941	75	71	68	66	65	64	68	75	85	94	101	110
6 4942	113	113	116	118	119	118	115	114	109	102	94	85
6 5941	78	72	69	66	65	63	65	70	78	88	96	102
6 5942	106	110	112	116	117	117	113	109	108	101	91	80
6 6941	74	70	67	65	65	67	75	85	94	101	109	114
6 6942	119	122	125	125	126	124	118	115	113	104	93	82
6 7941	74	70	68	66	66	67	74	83	93	101	107	111
6 7942	116	118	122	123	123	121	116	112	110	101	91	80
6 8941	73	69	66	65	66	67	75	85	94	103	109	114
6 8942	119	122	126	127	128	126	121	118	116	106	95	84

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
6 9941	76	73	70	68	68	70	77	87	95	104	111	117
6 9942	122	126	130	130	130	128	123	120	118	110	99	87
610941	79	75	72	70	69	71	79	89	100	109	116	121
610942	127	130	132	133	132	130	124	120	119	111	101	91
611941	84	78	75	72	71	70	73	81	92	102	110	115
611942	119	122	124	125	125	124	120	117	116	109	100	91
612941	84	79	75	71	70	68	71	78	88	98	105	112
612942	117	119	121	123	123	122	119	116	116	109	99	88
613941	80	76	75	70	71	73	82	92	103	112	119	124
613942	129	132	135	136	131	132	128	124	123	114	103	91
614941	83	78	75	73	73	75	83	92	102	109	115	119
614942	123	126	128	129	129	126	121	118	116	108	96	86
615941	79	75	71	71	71	73	82	92	100	108	113	117
615942	121	124	127	127	127	125	120	116	116	108	96	85
616941	79	75	72	70	70	72	80	89	98	106	112	118
616942	122	125	129	130	129	128	121	118	118	110	99	89
617941	82	78	76	74	74	77	83	91	97	102	103	104
617942	104	104	106	110	110	107	104	103	104	100	92	83
618941	76	73	71	69	69	69	72	79	89	99	107	113
618942	116	114	107	102	102	101	101	100	102	97	91	84
619941	79	75	73	71	71	69	71	77	86	94	100	105
619942	109	111	115	117	115	110	105	103	103	98	90	82
620941	77	74	73	72	73	76	83	90	97	104	111	116
620942	119	121	121	118	118	113	110	110	110	103	93	84
621941	78	74	72	71	72	75	82	88	97	104	111	116
621942	119	124	127	128	129	126	122	119	119	112	100	91
622941	84	80	77	75	76	78	87	96	106	114	121	126
622942	130	133	135	136	137	135	130	127	126	118	106	96
623941	89	85	82	79	79	81	89	98	108	116	124	128
623942	134	139	142	143	143	140	134	131	129	121	110	99
624941	92	87	84	82	80	81	91	102	113	122	129	136
624942	141	146	153	152	148	146	139	133	131	122	112	104
625941	95	90	85	83	81	79	84	94	105	116	125	133
625942	137	141	142	142	142	141	137	133	132	125	116	107
626941	99	93	89	86	82	80	83	91	102	112	120	126
626942	132	136	138	140	140	139	135	131	130	123	114	104
627941	97	93	90	88	88	92	99	110	121	130	136	141
627942	146	149	151	152	151	149	144	141	140	131	119	109
628941	102	98	94	92	92	95	101	109	116	124	133	139
628942	145	150	153	155	155	151	146	139	138	131	122	111
629941	103	98	94	91	90	91	93	108	118	128	137	143
629942	148	153	155	156	155	153	147	144	141	132	122	110
630941	101	96	93	91	91	94	101	109	119	126	133	141
630942	144	148	150	149	149	145	139	135	134	127	116	106
7 1941	100	96	92	90	90	91	98	106	114	121	129	130
7 1942	134	137	140	141	140	137	131	129	127	119	111	101
7 2941	95	90	86	83	81	80	84	92	103	112	119	126
7 2942	130	133	135	136	137	136	132	130	130	123	113	105
7 3941	95	91	88	85	82	81	84	91	100	109	116	121
7 3942	126	130	131	133	133	131	128	123	122	117	110	101
7 4941	95	90	87	84	83	81	85	92	101	109	117	123
7 4942	126	129	131	132	130	129	125	121	119	114	107	97
7 5941	90	85	82	81	82	83	92	103	112	119	126	130

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
7 5942	134	136	137	138	139	137	131	126	124	116	104	92
7 6941	83	79	75	73	72	73	81	90	100	109	117	122
7 6942	127	132	134	136	136	133	129	124	121	113	101	90
7 7941	83	77	74	72	70	72	78	87	97	104	113	120
7 7942	125	130	133	135	136	134	129	125	123	114	103	91
7 8941	83	79	75	72	72	73	80	90	100	109	118	125
7 8942	131	136	140	142	142	138	133	128	125	118	108	98
7 9941	90	85	80	77	76	75	78	88	99	110	118	123
7 9942	127	130	132	133	134	132	129	124	123	116	106	97
710941	90	86	83	80	79	78	81	88	98	106	113	119
710942	123	126	129	131	132	131	128	124	124	118	107	97
711941	91	86	84	81	80	82	90	100	111	119	126	131
711942	136	140	142	143	143	139	135	131	130	121	110	99
712941	91	86	83	82	81	83	91	101	110	119	126	132
712942	136	141	143	143	143	141	136	132	130	122	109	99
713941	90	85	81	79	79	80	89	98	109	118	125	130
713942	135	140	143	143	144	142	137	133	131	123	110	99
714941	90	85	81	77	77	79	86	96	106	113	121	127
714942	131	136	140	141	143	140	136	131	129	121	109	98
715941	90	86	82	80	80	82	89	96	109	118	124	129
715942	134	137	139	140	139	136	130	127	127	119	110	100
716941	92	87	84	82	80	80	82	88	96	105	112	119
716942	122	125	126	127	127	126	121	119	118	112	105	97
717941	91	88	84	82	80	80	80	83	89	94	98	99
717942	97	96	95	96	96	96	93	93	96	93	87	81
718941	76	74	72	71	73	75	82	90	100	108	114	117
718942	118	120	122	123	124	120	114	112	112	106	97	87
719941	82	78	75	73	73	76	83	91	98	105	112	118
719942	122	126	127	125	125	124	119	116	115	108	98	90
720941	83	79	76	75	75	78	84	94	103	112	119	125
720942	130	133	131	120	114	110	106	106	107	102	94	84
721941	79	75	74	71	72	76	82	91	102	111	118	124
721942	129	134	136	136	130	125	121	118	118	110	100	90
722941	84	80	78	77	77	80	86	98	108	117	124	130
722942	135	139	141	140	134	124	118	117	114	109	101	94
723941	88	84	82	81	79	80	81	89	101	111	117	122
723942	123	122	126	129	130	130	126	124	120	108	101	92
724941	86	82	79	78	75	75	77	84	93	102	109	115
724942	120	123	125	127	128	128	123	120	118	111	103	94
725941	89	84	82	80	81	83	90	99	109	118	126	132
725942	137	140	140	143	141	136	131	129	128	119	108	98
726941	91	87	85	82	83	86	93	103	113	120	127	133
726942	137	141	143	143	143	140	135	133	131	123	112	103
727941	96	92	89	88	87	90	95	103	112	119	124	128
727942	132	135	136	138	138	135	132	129	128	119	109	99
728941	92	89	86	85	85	89	94	104	113	122	129	134
728942	138	142	144	142	122	108	109	109	108	103	95	87
729941	82	79	77	76	77	80	85	95	104	112	120	125
729942	129	131	134	136	136	133	128	124	122	115	106	97
730941	90	87	85	82	80	80	80	84	94	103	109	116
730942	119	122	124	125	126	123	118	115	115	110	100	92
731941	87	82	80	78	77	76	77	83	92	101	109	115
731942	119	122	124	126	125	122	119	114	117	112	103	94

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
8 1941	88	85	82	79	80	83	90	100	110	119	126	131
8 1942	137	140	143	143	143	140	135	132	130	121	110	101
8 2941	93	89	85	83	82	85	91	102	111	119	126	133
8 2942	137	141	144	146	146	144	139	136	133	123	111	102
8 3941	94	88	85	83	82	85	91	101	111	120	126	133
8 3942	137	140	143	145	145	143	139	135	133	124	113	102
8 4941	95	91	88	86	85	89	96	107	116	125	132	137
8 4942	142	146	149	151	150	148	142	137	135	127	117	107
8 5941	100	95	92	90	90	94	100	110	120	129	135	138
8 5942	141	143	145	146	145	142	135	133	129	122	112	103
8 6941	96	91	88	86	85	84	87	95	106	116	124	129
8 6942	133	136	140	140	141	139	134	132	129	122	114	105
8 7941	98	91	89	85	84	84	84	92	100	109	116	121
8 7942	125	129	131	132	132	131	127	127	125	115	105	97
8 8941	91	88	86	85	85	88	93	100	107	115	123	128
8 8942	132	135	139	139	132	124	119	119	117	110	102	93
8 9941	86	83	81	80	80	83	88	94	102	110	117	123
8 9942	127	132	136	138	139	138	132	131	128	120	110	100
810941	94	91	87	85	85	87	92	100	111	119	127	134
810942	139	145	147	148	144	139	135	134	132	124	112	103
811941	107	92	88	87	87	90	95	103	111	116	119	123
811942	130	135	139	140	141	138	133	133	130	122	110	100
812941	93	91	89	85	85	87	93	102	112	121	129	136
812942	139	143	144	142	136	131	125	125	123	116	108	98
813941	92	88	85	82	82	82	84	93	104	112	121	127
813942	131	136	137	127	116	115	112	112	110	105	99	92
814941	86	83	79	78	77	77	79	86	95	104	112	118
814942	124	129	131	134	136	135	131	130	129	121	110	99
815941	92	89	86	85	86	89	97	106	113	122	129	134
815942	138	141	144	145	145	142	138	134	125	117	107	97
816941	90	87	84	83	83	87	94	104	113	121	127	133
816942	137	141	144	143	141	126	120	121	118	111	101	92
817941	86	84	82	83	83	86	92	101	110	117	124	128
817942	132	134	137	140	140	137	133	133	129	121	109	99
818941	92	89	85	83	84	87	94	102	110	119	127	132
818942	138	143	142	143	142	138	135	135	133	125	114	104
819941	96	92	89	88	88	89	97	106	117	124	132	138
819942	142	143	133	120	118	116	111	108	105	99	92	85
820941	79	75	74	72	72	73	75	83	93	103	111	116
820942	119	124	126	129	130	128	124	122	119	112	104	96
821941	90	85	82	79	78	78	79	86	98	107	114	121
821942	126	125	119	115	110	107	104	105	103	97	91	82
822941	77	74	72	70	71	76	83	91	100	108	115	120
822942	124	128	131	135	133	131	127	128	124	115	103	92
823941	86	82	80	78	78	83	89	96	101	107	110	114
823942	118	124	127	128	129	127	123	124	122	113	101	91
824941	85	81	79	77	78	82	90	98	107	112	118	121
824942	124	128	134	137	138	135	128	130	125	116	104	95
825941	88	85	82	82	82	88	95	105	114	120	127	132
825942	135	138	141	142	140	136	130	129	125	116	103	93
826941	86	83	80	79	79	84	91	99	106	116	122	128
826942	132	137	140	141	142	137	131	130	126	117	107	98
827941	92	88	84	81	81	82	83	90	97	107	114	120

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
827942	124	127	130	130	130	128	123	124	121	114	106	98
828941	91	88	84	82	79	79	80	86	95	106	114	123
828942	128	130	131	127	125	123	120	122	119	112	103	93
829941	87	83	81	80	81	85	94	102	110	121	126	131
829942	135	139	142	143	141	139	133	133	129	118	106	95
830941	90	86	82	79	81	85	93	103	112	119	126	131
830942	134	135	137	136	133	128	124	126	122	113	101	90
831941	84	80	77	77	77	81	89	98	106	114	121	125
831942	130	134	137	139	138	133	129	130	126	117	105	95
9 1941	88	84	80	80	80	84	91	100	108	116	122	127
9 1942	133	136	140	139	134	126	125	127	123	114	103	93
9 2941	87	84	82	80	80	86	93	101	108	115	121	125
9 2942	131	135	132	125	122	118	114	113	106	101	93	86
9 3941	80	78	76	75	74	75	77	79	85	89	92	95
9 3942	96	99	100	102	101	100	100	101	98	94	88	82
9 4941	76	73	71	70	69	69	70	75	83	92	99	104
9 4942	108	111	114	115	115	114	111	110	106	100	92	84
9 5941	78	75	72	71	70	71	72	78	86	95	102	109
9 5942	112	115	118	119	120	119	115	116	111	103	93	84
9 6941	78	75	73	71	72	76	83	92	102	110	118	124
9 6942	128	133	137	139	138	134	129	126	122	112	101	91
9 7941	84	80	79	77	78	82	90	99	107	116	123	128
9 7942	133	137	140	141	141	138	134	133	127	117	104	93
9 8941	87	83	80	78	77	83	91	99	107	116	122	128
9 8942	133	138	140	138	139	135	131	131	125	115	103	92
9 9941	86	83	80	78	78	82	89	98	108	117	123	129
9 9942	134	138	138	134	129	125	123	121	116	107	98	90
910941	84	80	78	75	74	75	76	84	93	104	113	118
910942	123	125	126	125	121	118	112	108	104	98	92	84
911941	79	75	71	70	69	70	70	75	83	93	103	110
911942	114	115	114	103	105	104	103	105	102	95	88	79
912941	74	72	70	70	70	75	83	93	102	110	117	122
912942	125	128	130	131	132	128	124	123	119	109	97	87
913941	81	78	76	74	75	79	87	93	99	106	112	117
913942	121	123	125	124	120	114	111	112	109	103	87	84
914941	77	73	71	69	71	74	81	87	93	102	107	111
914942	115	118	120	122	122	118	114	114	109	100	88	78
915941	72	69	66	66	67	71	78	83	90	96	103	107
915942	111	115	118	122	117	117	113	113	107	98	87	77
916941	72	68	66	65	65	70	76	82	91	98	104	109
916942	115	119	122	124	123	119	116	114	108	99	90	81
917941	75	70	69	67	66	68	70	77	86	96	104	109
917942	114	116	117	115	114	112	111	110	106	101	93	85
918941	80	76	74	71	68	69	70	75	83	92	100	106
918942	110	114	116	119	118	117	114	113	108	99	90	82
919941	76	72	70	69	69	74	80	87	94	102	109	114
919942	118	122	124	125	123	120	121	120	113	104	92	82
920941	76	72	70	69	70	74	83	88	92	98	107	111
920942	117	122	123	124	124	120	121	120	114	104	93	84
921941	78	75	72	72	72	76	84	89	94	98	101	102
921942	105	107	109	108	107	104	104	104	99	92	83	74
922941	69	67	65	65	65	70	76	83	89	95	99	104
922942	109	114	117	119	120	116	114	114	108	100	89	80

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
923941	74	71	69	68	67	72	79	85	92	101	108	112
923942	117	122	124	126	125	120	117	115	109	101	91	83
924941	77	73	71	69	69	70	72	76	86	96	103	108
924942	112	115	116	117	115	112	111	110	105	98	91	82
925941	77	74	71	70	69	70	70	74	82	89	97	101
925942	106	108	110	108	106	104	104	102	99	93	85	76
926941	71	68	66	65	66	71	78	85	93	101	107	113
926942	117	121	123	124	124	121	120	118	111	101	89	79
927941	72	69	66	65	66	70	77	83	90	98	106	111
927942	116	120	124	126	127	124	122	120	112	102	89	79
928941	73	69	66	65	66	70	78	84	91	98	107	113
928942	119	124	127	130	131	126	124	121	113	103	90	80
929941	73	70	67	65	66	70	77	85	91	96	101	107
929942	112	116	118	118	117	116	117	116	110	100	89	80
930941	73	70	68	66	67	71	78	85	92	101	108	113
930942	115	118	119	119	117	113	112	110	103	96	88	80
10 1941	74	71	68	66	65	67	69	73	80	87	92	95
10 1942	99	101	99	98	97	96	96	95	91	86	80	74
10 2941	69	67	64	63	62	63	64	67	74	81	88	92
10 2942	97	99	101	100	100	99	101	100	96	91	83	75
10 3941	70	67	65	64	66	70	78	85	92	98	103	106
10 3942	109	111	112	111	110	107	108	107	102	93	83	74
10 4941	69	65	64	63	64	69	78	82	86	89	92	94
10 4942	94	95	94	94	93	94	97	97	94	87	79	72
10 5941	67	65	63	62	63	67	75	79	85	91	95	96
10 5942	98	101	102	102	102	99	101	98	93	85	76	68
10 6941	64	60	59	59	59	65	72	74	79	82	85	88
10 6942	89	93	94	95	93	90	94	93	90	83	74	67
10 7941	64	61	60	59	60	65	72	76	80	84	88	89
10 7942	91	93	94	94	93	91	92	90	86	80	73	67
10 8941	63	61	59	58	58	60	61	65	71	76	81	83
10 8942	85	86	87	89	88	87	89	87	84	79	74	68
10 9941	65	62	60	59	58	60	60	62	67	72	78	78
10 9942	80	83	84	85	85	85	88	87	83	78	72	65
1010941	62	59	59	58	60	63	70	75	81	85	89	90
1010942	93	96	97	99	99	97	99	97	91	84	74	68
1011941	63	62	60	59	60	65	73	77	80	85	90	93
1011942	96	99	101	102	103	100	103	100	94	86	77	69
1012941	64	62	60	59	60	65	73	77	79	83	88	92
1012942	96	99	101	102	102	100	102	98	93	85	75	68
1013941	64	61	61	60	60	66	73	77	80	85	91	94
1013942	98	100	102	103	101	99	102	99	94	86	77	70
1014941	65	62	61	61	61	66	72	76	80	83	86	88
1014942	88	88	86	83	80	79	84	86	81	78	72	66
1015941	62	60	59	59	58	61	64	67	72	75	77	78
1015942	78	78	78	78	81	83	85	83	80	76	71	66
1016941	63	62	60	60	61	61	63	65	69	71	73	76
1016942	74	75	75	76	78	83	86	85	82	75	71	66
1017941	62	60	59	59	60	66	75	80	80	81	81	81
1017942	81	81	80	80	79	82	89	88	85	79	72	64
1018941	60	59	58	58	60	65	75	78	78	79	81	81
1018942	81	82	82	83	83	84	90	88	85	79	71	64
1019941	60	58	57	58	59	64	73	77	78	80	83	84

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
1019942	85	85	85	85	85	86	91	89	86	80	71	64
1020941	60	59	58	57	59	64	74	77	80	82	85	86
1020942	88	87	88	89	88	89	93	91	87	81	72	65
1021941	61	59	58	57	58	64	73	76	79	82	85	86
1021942	88	89	90	89	88	87	91	88	83	79	72	65
1022941	61	59	57	57	57	59	62	66	71	75	78	78
1022942	78	78	79	78	78	80	85	83	80	75	70	64
1023941	60	58	57	56	57	58	60	62	67	71	74	77
1023942	78	78	78	79	79	82	85	84	80	76	69	64
1024941	59	58	58	57	58	63	71	75	80	85	88	90
1024942	91	93	94	94	93	92	96	93	88	81	72	64
1025941	60	58	57	56	58	64	72	76	78	82	85	87
1025942	89	90	91	91	91	90	95	92	87	82	72	65
1026941	61	59	58	57	58	64	71	75	77	81	84	85
1026942	88	90	91	92	91	90	95	91	87	81	72	67
1027941	62	60	59	59	60	66	74	75	77	81	85	87
1027942	88	90	91	92	91	91	95	92	88	82	73	67
1028941	61	59	58	58	59	64	73	76	79	83	87	88
1028942	90	91	92	93	91	90	93	89	85	80	72	66
1029941	61	58	57	56	57	59	61	64	69	74	77	79
1029942	81	81	83	83	83	85	88	84	81	77	70	65
1030941	61	59	58	57	57	58	59	61	66	71	75	77
1030942	79	80	80	80	80	82	86	84	80	75	69	63
1031941	59	57	56	56	57	62	72	75	78	80	84	86
1031942	88	89	90	91	89	89	91	87	85	79	71	64
11 1941	61	58	57	56	57	63	72	74	76	79	81	83
11 1942	84	85	85	84	84	87	92	88	84	80	72	65
11 2941	61	59	58	57	58	64	73	77	79	81	83	84
11 2942	84	85	84	84	84	87	92	89	86	80	73	65
11 3941	61	60	59	58	59	63	73	76	78	80	82	83
11 3942	82	81	81	80	81	84	89	87	84	78	71	64
11 4941	60	59	58	59	61	68	78	81	81	81	83	81
11 4942	81	80	79	79	78	83	87	86	83	79	73	68
11 5941	64	62	61	61	62	66	70	74	77	79	78	77
11 5942	77	75	73	73	74	78	84	81	78	75	70	65
11 6941	62	60	59	59	59	61	64	67	70	72	74	75
11 6942	75	75	75	76	76	81	86	83	80	76	69	63
11 7941	59	58	57	57	58	64	74	77	79	81	82	82
11 7942	83	83	82	80	80	85	90	88	86	79	72	65
11 8941	62	61	60	60	61	66	75	76	77	79	80	80
11 8942	80	80	80	79	80	84	90	87	83	79	71	65
11 9941	62	60	60	60	61	68	78	81	81	82	82	82
11 9942	82	83	83	83	83	86	91	89	85	80	72	65
1110941	61	60	59	58	60	66	76	79	80	82	84	84
1110942	85	86	86	84	85	86	89	87	84	78	72	66
1111941	62	59	58	58	59	62	69	74	80	83	85	85
1111942	85	82	82	81	80	84	87	83	81	75	69	63
1112941	59	56	55	55	56	56	60	63	68	71	73	72
1112942	71	70	69	68	69	75	80	78	76	72	69	64
1113941	60	59	58	58	59	61	64	67	70	72	73	74
1113942	73	72	72	71	72	79	85	83	81	77	70	65
1114941	61	60	60	61	63	71	83	86	86	85	84	83
1114942	82	81	79	79	79	86	92	89	86	82	74	67

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
1115941	63	62	62	62	64	72	84	86	83	81	81	80
1115942	79	79	79	78	79	84	91	88	85	79	72	65
1116941	61	59	59	59	60	67	78	81	80	81	81	81
1116942	82	80	79	79	80	85	90	88	85	80	72	66
1117941	62	60	60	60	63	70	80	84	85	84	83	83
1117942	82	81	79	79	80	87	92	91	89	85	77	69
1118941	65	64	65	65	67	76	88	91	89	87	85	84
1118942	83	82	81	80	79	85	90	86	84	80	75	69
1119941	65	63	63	63	63	70	75	81	86	90	87	84
1119942	81	79	77	77	79	89	95	93	91	89	85	79
1120941	76	75	73	73	75	78	82	87	89	88	86	84
1120942	81	78	76	76	78	88	93	93	91	87	80	74
1121941	71	70	70	71	75	83	96	100	97	94	91	88
1121942	85	84	82	81	81	89	94	93	90	86	78	70
1122941	66	64	64	64	66	73	85	88	89	87	87	86
1122942	85	85	83	84	85	92	96	93	89	85	77	69
1123941	64	63	62	62	64	70	81	85	85	84	83	83
1123942	83	82	82	80	80	86	88	86	84	79	73	66
1124941	62	60	59	59	60	62	66	69	74	77	78	78
1124942	77	74	72	69	68	71	74	73	72	72	67	63
1125941	60	58	57	57	58	61	66	70	74	79	80	79
1125942	78	77	75	74	76	81	83	81	80	77	73	68
1126941	64	62	61	61	62	64	69	73	77	78	78	77
1126942	75	73	72	71	72	79	84	81	79	77	72	67
1127941	63	61	61	61	62	65	70	74	77	78	79	78
1127942	77	76	75	73	76	85	92	92	91	86	80	73
1128941	70	70	70	72	75	83	95	100	98	96	93	89
1128942	87	85	83	82	83	93	99	99	97	92	85	77
1129941	73	72	73	74	76	86	99	100	96	93	90	87
1129942	85	84	82	81	82	91	97	96	93	89	81	73
1130941	69	69	69	70	72	81	93	97	93	91	88	86
1130942	84	82	82	81	80	87	93	91	89	85	77	70
12 1941	66	65	65	66	68	76	88	91	89	86	84	83
12 1942	81	81	80	80	80	86	91	88	86	82	75	68
12 2941	65	63	63	64	66	75	87	91	88	87	85	83
12 2942	82	81	81	80	79	86	89	88	85	82	76	70
12 3941	66	65	64	65	66	70	75	80	84	84	82	79
12 3942	78	76	74	73	75	84	87	84	82	79	74	68
12 4941	66	65	64	64	64	67	71	74	77	78	78	77
12 4942	76	75	74	75	79	87	89	87	85	81	74	67
12 5941	64	62	60	61	62	69	79	86	87	88	89	90
12 5942	90	88	88	88	90	96	98	94	90	86	77	69
12 6941	66	63	62	63	65	72	82	85	84	84	83	83
12 6942	81	81	80	79	79	87	93	91	88	84	76	67
12 7941	64	62	63	63	65	73	84	89	88	85	84	83
12 7942	82	81	81	80	80	87	94	91	89	84	77	69
12 8941	65	63	63	63	64	71	82	86	85	84	83	81
12 8942	80	79	78	78	80	89	95	94	91	87	79	71
12 9941	68	67	66	67	70	78	92	96	93	91	88	85
12 9942	83	82	81	79	80	89	95	93	91	89	83	77
1210941	72	71	71	71	73	78	84	89	93	93	89	85
1210942	82	79	78	79	81	90	94	91	89	85	80	74
1211941	69	66	65	64	65	70	72	78	81	81	79	78

LOSS1994.XLS

HOURLY LOSSES - EEI FORMAT (MW'S)
1994
ITEM A (1C)

	1	2	3	4	5	6	7	8	9	10	11	12
1211942	76	74	72	72	75	84	91	90	88	84	76	68
1212941	64	63	63	64	66	74	86	91	91	90	89	88
1212942	86	85	84	83	86	95	99	97	94	90	82	73
1213941	69	68	68	69	71	78	91	94	90	87	85	82
1213942	80	79	78	77	78	89	96	95	92	89	80	73
1214941	68	67	67	69	72	80	93	97	94	91	89	86
1214942	84	82	81	80	82	90	98	98	95	91	83	74
1215941	70	69	69	70	73	82	95	99	96	92	89	85
1215942	84	83	81	81	81	90	98	97	96	92	84	76
1216941	72	71	71	72	74	82	95	99	97	94	90	87
1216942	84	81	80	78	79	86	93	91	90	87	81	75
1217941	71	69	69	69	70	74	81	86	87	87	86	83
1217942	81	78	76	76	76	83	90	88	86	84	79	72
1218941	68	66	66	66	66	69	73	76	79	79	78	77
1218942	76	74	74	73	75	83	90	88	86	83	76	68
1219941	63	62	62	63	65	73	84	89	89	87	86	83
1219942	83	82	81	81	80	88	95	92	90	87	79	71
1220941	66	64	65	66	69	76	87	92	91	88	86	84
1220942	82	81	80	79	80	86	94	93	91	88	80	72
1221941	67	65	65	66	68	76	86	90	90	88	86	84
1221942	81	81	80	79	79	86	93	91	89	86	78	70
1222941	66	63	63	63	65	71	80	84	85	85	84	83
1222942	82	80	80	79	82	91	94	93	91	87	80	71
1223941	66	63	62	61	63	68	76	82	85	87	86	85
1223942	83	80	78	78	80	86	91	88	86	84	79	72
1224941	66	63	62	61	62	63	67	72	77	80	80	78
1224942	76	74	73	73	75	81	83	80	77	75	73	67
1225941	63	61	58	58	57	59	61	64	66	66	65	65
1225942	64	64	63	63	63	70	72	72	72	70	66	60
1226941	58	55	55	55	56	59	62	67	73	79	82	82
1226942	81	81	81	80	81	88	92	91	89	85	77	71
1227941	66	64	63	63	65	70	78	82	85	85	83	81
1227942	80	77	76	75	76	85	92	91	88	84	78	71
1228941	66	65	64	65	67	73	81	86	87	86	85	83
1228942	80	77	76	76	76	84	91	90	87	84	78	70
1229941	65	64	64	65	66	72	80	86	88	87	86	85
1229942	83	82	81	80	80	85	93	91	90	86	79	71
1230941	67	66	65	66	69	74	81	87	89	89	88	86
1230942	82	81	78	77	78	87	95	92	91	88	83	76
1231941	72	70	69	70	71	74	79	83	87	85	84	81
1231942	77	75	72	71	73	82	89	87	84	82	78	75

ENERGY USED BY THE COMPANY
(MWH) - 1994

ITEM A 1(d)

JANUARY	1054
FEBRUARY	1003
MARCH	987
APRIL	952
MAY	1010
JUNE	1173
JULY	1267
AUGUST	1188
SEPTEMBER	1312
OCTOBER	1140
NOVEMBER	1038
DECEMBER	1225
TOTAL	13349

HOURLY DEMAND BY RESIDENTIAL & NON RESIDENTIAL
BY CUSTOMER CLASS AND TYPE OF BUSINESS
1994

ITEM A 2(a) - RESIDENTIAL
ITEM A 2(b) - NON RESIDENTIAL

This information is currently not available.

MONTHLY ENERGY BY CUSTOMER CLASS
1994 (MWH)

ITEM A 3

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	PUBLIC AUTHORITY	TOTAL
94 Jan	194,915	91,143	227,934	13,229	527,221
94 Feb	176,292	88,137	228,762	12,357	505,547
94 Mar	152,987	87,026	237,594	12,854	490,460
94 Apr	136,571	87,080	238,952	12,032	474,635
94 May	147,515	97,076	241,659	15,299	501,549
94 Jun	210,794	118,918	269,225	17,335	616,272
94 Jul	285,468	138,965	288,690	20,294	733,417
94 Aug	282,992	137,763	289,629	17,250	727,634
94 Sep	265,166	138,289	295,794	15,810	715,058
94 Oct	191,694	113,744	260,146	17,369	582,953
94 Nov	149,545	94,395	257,251	14,766	515,958
94 Dec	186,436	93,896	247,203	14,144	541,680

MONTHLY CUSTOMER CLASS COINCIDENT PEAK DEMAND
1994 (MW)

ITEM A 3

	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL WITH-OUT LOSSES	TOTAL WITH LOSSES
94 Jan	378.0	183.6	363.6	17.1	942.3	1022.0
94 Feb	369.4	200.5	360.5	18.3	948.7	1042.0
94 Mar	334.1	136.3	350.2	20.7	841.4	910.0
94 Apr	309.4	292.9	428.5	22.2	1053.0	1129.0
94 May	447.1	286.8	423.8	21.9	1179.5	1286.0
94 Jun	574.5	363.1	498.8	26.8	1463.1	1585.0
94 Jul	516.3	321.0	479.7	29.9	1346.9	1464.0
94 Aug	562.0	330.6	491.9	24.8	1409.4	1531.0
94 Sep	480.2	314.9	496.1	28.0	1319.3	1436.0
94 Oct	343.1	262.0	423.1	26.7	1054.8	1140.0
94 Nov	420.8	137.3	351.6	25.8	935.7	1018.0
94 Dec	401.2	158.1	354.1	19.6	933.0	1010.0

NUMBER OF RETAIL CUSTOMERS BY CLASS - 1994

ITEM A 4

RESIDENTIAL	266,060
COMMERCIAL	27,360
INDUSTRIAL	588
PUBLIC AUTHORITY	59
TOTAL	294,100

DEGREE DAYS - TUCSON, ARIZONA 1994

ITEM A 5

MONTH	HEATING DEGREE DAYS - BASE 65 DEGREES F	COOLING DEGREE DAYS - BASE 75 DEGREES F
JANUARY	364	0
FEBRUARY	269.5	0
MARCH	108.5	0
APRIL	43.5	31
MAY	0.5	79.5
JUNE	0	429
JULY	0	479.5
AUGUST	0	476
SEPTEMBER	0	276
OCTOBER	25.5	14.5
NOVEMBER	264	0
DECEMBER	342.5	0

RESIDENTIAL APPLIANCE SATURATION SURVEY BY DWELLING TYPE
Based on the Biennial Appliance Saturation Study Conducted in 1992

ITEMS A 6(a) - A 6(c)

APPLIANCES	%
Clothes Washer	81%
Dishwasher	67%
Water Bed Heater	18%
Swimming Pool Pump	12%
Ceiling Fan	58%
Microwave	53%

FAMILY SIZE	%
One	25%
Two	46%
Three-Four	22%
Five-Six	6%
Seven or More	1%

INCOME	%
Less than $10,000	11%
$10,000-$19,999	17%
$20,000-$29,999	16%
$30,000-$39,999	12%
$40,000-$49,999	7%
$50,000-$59,999	6%
More than $60,000	10%
Chose not to answer	22%

***Notes:** Please be aware that the percentages above represent all customers that fall in the category of a particular response. For example, a customer may have an air conditioner and an evaporative cooler.

The percentage above would reflect this observation and this customer would be included in the air conditioning category as well as the evaporative cooler category. As a result, the percentages may not necessarily add to 100%.

Note: Due to rounding, percentages may not add to 100

RESIDENTAIL APPLIANCE SATURATION BY DWELLING TYPE
Based on the Biennial Appliance Saturation Study Conducted in 1992

ITEMS A 6(a) - A 6(c)

DWELLING TYPE	%
SINGLE FAMILY DETACHED	61%
TOWNHOUSE/CONDOMINIUM	15%
APARTMENT/DUPLEX	16%
MOBILE HOME	7%

AGE OF DWELLING	%
BEFORE 1960	18%
1960-1969	13%
1970-1979	26%
1980-1989	28%
1990 - Present	3%
DON'T KNOW	12%

AREA OF DWELLING	%
LESS THAN 1000 SQ. FT.	16%
1000-1499 SQ. FT.	26%
1500-1999 SQ. FT.	24%
2000-2499 SQ. FT.	13%
2500-2999 SQ. FT.	5%
MORE THAN 3000 SQ. FT.	3%
DON'T KNOW	13%

OWNERSHIP	%
OWN	77%
RENT	23%

MAIN RESIDENCE	%
YES	95%
NO	5%

Note: Due to rounding, percentages may not add to 100

RESIDENTIAL APPLIANCE SATURATION BY DWELLING TYPE
Based on the Biennial Appliance Saturation Study Conducted in 1992

ITEMS A 6(a) - A 6(c)

COOLING EQUIPMENT	%
CENTRAL A/C - ELECTRIC	38%
WITH ROOM A/C	1%
HEAT PUMP	13%
EVAPORATIVE	56%
WITH CENTRAL ELECTRIC A/C	10%
WITH HEAT PUMP	3%
WITH ROOM A/C	3%
ROOM AIR CONDITIONER	5%
WITH ROOM A/C ONLY	1%
CENTRAL UNIT SERVING MORE THAN ONE APARTMENT	2%
DON'T KNOW	2%

HEATING EQUIPMENT	%
GAS FURNACE	66%
ELECTRIC FURNACE	14%
HEAT PUMP	13%
ZONED RESISTANCE	2%
OTHER	4%
DON'T KNOW	2%

ADJUST AND/OR TURN OFF THERMOSTAT	%
COOLING	85%
HEATING	89%

INSULATION	%
CEILINGS & WALLS	45%
CEILINGS ONLY	19%
WALLS ONLY	2%
NONE	4%
DON'T KNOW	30%

Note: Due to rounding, percentages may not add to 100

RESIDENTIAL APPLIANCE SATURATION BY DWELLING TYPE
Based on the Biennial Appliance Saturation Study Conducted in 1992

ITEMS A 6(a) - A 6(c)

SOLAR HEATING	%
WATER	3%
POOL	2%

RANGE	%
ELECTRIC	74%
NATURAL GAS	25%

DRYER	%
ELECTRIC	63%
NATURAL GAS	11%

WATER HEATER	%
ELECTRIC	31%
GAS	64%

REFRIGERATOR	%
FROSTFREE	87%
NOT FROSTFREE	13%

REFRIGERATOR SIZE	%
MORE THAN 24 CU. FT.	5%
20-24 CU. FT.	25%
15-19 CU. FT.	34%
12-14 CU. FT.	15%
LESS THAN 12 CU. FT.	3%
DON'T KNOW	18%

SEPARATE FREEZER	%
YES	29%
NO	71%

Note: Due to rounding, percentages may not add to 100.

RESIDENTIAL APPLIANCE SATURATION BY DWELLING TYPE
Based on the Biennial Appliance Saturation Study Conducted in 1992

ITEM A 6(d)

	Mobile Home	*Apartment/ Duplex*	*House/ Condo*	*Town-Single Family*
SOLAR HEATING				
Water	1%	1%	2%	5%
Pool	0%	0%	1%	3%
RANGE				
Electric	23%	88%	92%	72%
Natural Gas	72%	12%	7%	27%
DRYER				
Electric	59%	30%	82%	68%
Gas	12%	4%	7%	14%
WATER HEATER				
Electric	16%	58%	43%	23%
Gas	78%	28%	54%	75%
REFRIGERATOR				
Frostfree	83%	61%	93%	93%
Not Frostfree	17%	38%	7%	7%
REFRIGERATOR SIZE				
More than 24 CU. FT.	4%	1%	3%	6%
20-24 CU. FT.	16%	8%	27%	31%
15-19 CU. FT.	40%	22%	35%	36%
12-14 CU. FT.	18%	23%	14%	13%
Less than 12 CU. FT.	4%	8%	3%	2%
Don't Know	19%	37%	18%	12%
SEPARATE FREEZER				
Yes	30%	9%	17%	36%
No	70%	91%	83%	64%

Note: Due to rounding, percentages may not add to 100

RESIDENTIAL APPLIANCE SATURATION BY DWELLING TYPE
Based on the Biennial Appliance Saturation Study Conducted in 1992

ITEM A 6(d)

	Mobile Home	*Apartment/ Duplex*	*House/ Condo*	*Town-Single Family*
COOLING EQUIPMENT				
Central A/C - Electric	19%	47%	59%	32%
With Room A/C	1%	0%	1%	1%
Heat Pump	1%	7%	25%	12%
Evaporative	82%	22%	23%	70%
With Central Electric A/C	8%	1%	8%	13%
With Heat Pump	1%	1%	4%	4%
With Room A/C	6%	1%	0%	4%
Room Air Conditioner	7%	9%	2%	5%
Room A/C Only	0%	8%	0%	0%
Central Unit Serving More Than One Apartment	0%	11%	0%	0%
Don't Know	3%	11%	1%	1%
HEATING EQUIPMENT				
Gas Furnace	90%	24%	54%	77%
Electric Furnace	6%	35%	21%	9%
Heat Pump	1%	7%	25%	12%
Zoned Resistance	1%	3%	0%	2%
Other	0%	18%	0%	0%
Don't Know	1%	12%	0%	1%

Note: Due to rounding, percentages may not add to 100

APPLIANCE SATURATION BY INCOME LEVEL**
RESIDENTIAL CUSTOMERS
1992

ITEM A 6(d)

	Choose Not to Answer	$60,000 and Over	$59,999 - $50,000	$49,999 - $40,000	$39,999 - $30,000	$29,999 - $20,000	$19,999 - $10,000	Less Than $10,000
COOLING EQUIPMENT								
Central A/C - Electric	44%	51%	43%	34%	37%	35%	31%	26%
With Room A/C	2%	1%	1%	1%	1%	2%	1%	1%
Heat Pump	14%	24%	18%	16%	12%	11%	8%	5%
Evaporative	48%	49%	58%	61%	59%	62%	58%	56%
With Central Electric A/C	10%	20%	17%	11%	11%	11%	5%	2%
With Heat Pump	4%	8%	5%	4%	2%	3%	2%	1%
With Room A/C	3%	1%	1%	3%	3%	3%	3%	3%
Room Air Conditioner	6%	2%	2%	4%	5%	5%	7%	9%
Room A/C Only	1%	0%	0%	1%	1%	0%	2%	5%
Central Unit Serving More								
Than One Apartment	1%	1%	0%	2%	1%	2%	4%	4%
Don't Know	2%	1%	1%	1%	1%	2%	3%	6%
HEATING EQUIPMENT								
Gas Furnace	69%	65%	72%	62%	66%	66%	63%	61%
Electric Furnace	11%	13%	10%	16%	15%	14%	16%	15%
Heat Pump	14%	24%	18%	16%	12%	11%	8%	5%
Zoned Resistance	1%	2%	2%	0%	2%	2%	2%	2%
Other	1%	1%	1%	1%	2%	3%	4%	5%
Don't Know	4%	0%	0%	2%	2%	1%	2%	7%

** TEP believes than significant non-response bias may exist. Therefore, the reliability of some figures may be questionable.

END-USE METERED DATA

1994

ITEM A 6(e)

This information is currently not available.

APPLIANCE EFFICIENCY DATA
1994

ITEM A 6(f)

Tucson Electric Power Company does not have service area specific data on embedded appliance efficiency. Beginning in 1985, a rebate program for high efficiency heat pumps was initiated. The minimum SEER needed to qualify for the program was 8.5. Approximately 6,777 units were installed under the program. In June 1990 the program was modified to include air conditioners with a minimum SEER of 10.0. The minimum SEER for heat pumps was also increased to 9.0. In 1990, 274 heat pumps and 113 air conditioners were installed under the program. Thirty-five percent (95 units) exceeded the program's minimum SEER requirements. In 1991, 479 heat pumps and 478 air conditioners were installed under the program. Thirty percent exceeded the program's minimum SEER requirements; 143 heat pumps had a SEER exceeding 9.5 and 207 air conditioners had SEERs of 10.5 or greater.

In April 1992 the program was modified to recognize the DOE required minimum SEER ratings for air conditioners and heat pumps. The program's minimum efficiency for split system heat pumps was increased to 10.5 SEER and the minimum for split system air conditioning units was increased to 11.0 SEER. The program's minimum efficiency requirement for package heat pumps was increased to 9.5 SEER and the minimum requirement for package air conditioning units was increased to 10.0 SEER. Approximately 651 air conditioning units were installed from April to December 1992. These units totaled 2,493.5 tons (average of 3.79 tons each) and had and average of 11.18 SEER rating. In addition 220 heat pumps were installed from April to December 1992. The total tonnage was 891 tons (average of 3.41 tons each) and they had an average SEER of 11.08.

The 1993 program was again modified to recognize the DOE required minimum SEER ratings for air conditioners and heat pumps. The program's minimum efficiency for split system heat pumps was increased to 11.0 SEER and the minimum efficiency for split system air conditioning units was increased to 11.0 SEER. The minimum requirement for package heat pumps increased to 11.0 SEER and package air conditioning units was increased to 11.0 SEER. Approximately 1,418 air conditioning units were installed from January to December 1993. These units averaged of 3.99 tons each and had an average of 11.59 SEER rating. In addition 536 heat pumps were installed from January to December 1993. The average tonnage was 3.56 tons each and with an average SEER of 11.41.

The 1994 program maintained the same SEER ratings as the 1993 program. A minimum SEER rating of 11.0 is required for both heat pumps and air conditioners to participate in the program. Approximately 1,950 air conditioning units were installed from February to December 1994. These units averaged 3.92 tons and had an average

of 11.99 SEER rating. In addition 511 heat pumps were installed from February to December 1994. The average tonnage was 3.71 tons with an average SEER of 11.79.

Table A6f.1 - below summarizes program participants in new construction with total number of new construction units installed.

Table A6f.1

AIR CONDITIONING

Year	Total Participants	Avg Seer	Baseline Seer	New Construction Participants	Total New Installations	% Market Share
1991	478	10.60	8.50	NA	NA	NA
1992	651	11.20	10.00	42	3262	1.29%
1993	1418	11.60	11.00	219	3540	6.19%
1994	1950	11.99	11.00	432	5101	8.47%

HEAT PUMP

Year	Total Participants	Avg Seer	Baseline Seer	New Construction Participants	Total New Installations	% Market Share
1991	479	10.30	9.50	NA	NA	NA
1992	220	11.08	10.50	27	962	2.81%
1993	536	11.41	11.00	198	1465	13.52%
1994	511	11.79	11.00	131	703	18.63%

Avg. Seer is the average seer of units sold under the program.

Baseline Seer is the minimum seer rating required to participate in the program.

New Construction is the number of units participating in the program installed in newly constructed homes.

Total New Installations is the number of new connections to TEP's system which utilize that particular appliance.

% Market Share is the percentage of new installations that participated in the rebate program.

APPLIANCE CONNECTED LOAD DATA
EXISTING RESIDENTIAL CUSTOMERS - 1994

ITEM A 6(g)

APPLIANCE		CONNECTED KW
Range/Oven		
	Small Burner	1.30
	Large Burner	2.30
	Oven	3.10
Refrigerator		
	Standard	.30
	Frost Free	.40
Dishwasher		1.20
Clothes Dryer		5.60
Food Freezer		.80
Water Heater		4.50
Swimming Pool Pump		1.20
Cooling		
Air Conditioning		5.60
Dual Cooling		5.60
Evaporative		.70
Heating		
Electric Furnace		12.00
Heat Pump		4.90

Data are based on a combination of manufacturers' specifications and TEP's on-site visits for "typical" residential customers.

RESIDENTIAL USE PER CUSTOMER VS DEGREE DAYS
65 DEGREE BASE
1994

ITEM A 6(h)

	1982	1983	1984	1985	1986	1987
CDD (-1)	0.59912	0.50673	0.45620	0.61828	0.68990	0.66695
HDD (-1)	0.30860	0.38564	0.33253	0.48594	0.46954	0.46821

	1988	1989	1990	1991	1992	1993
CDD (-1)	0.73946	0.73878	0.68764	0.62608	0.54722	0.71882
HDD (-1)	0.60550	0.46566	0.38007	0.23969	0.38471	0.44978

NOTE: The data represents the slope coefficients from the regressions of the form:

use per customer = f(degree days(-1)). Regressions for heating degree days were estimated with monthly data over the November to April period. In the case of cooling degree days, the estimation period covered May through October.

NON-RESIDENTIAL CUSTOMER CHARACTERISTICS AND USAGE DATA COLLECTED IN THE LAST TEN YEARS:
1994

ITEM A 7(a)
ITEM A 7(b)
ITEM A 7(c)
ITEM A 7(d)

This information is currently not available.

TEP DSM PROGRAMS
1994

ITEM A 8

SECTION 1

Residential Programs

The major residential contributor to the system summer peak is the air conditioning load which accounts for nearly two-thirds of the residential coincident peak. Other loads include water heating, major appliances and pool pumps.

The water heating contribution to the residential peak is actually fairly small (about 7%) for two reasons. First, the diversified demand per water heater is low due to high inlet water temperature and a low usage cycle during the late afternoon to early evening time period. Second, the market saturation of electric water heating in the TEP service territory is low.

Major appliances such as refrigerators, freezers and ranges have a moderate contribution to system peak. However, federal efficiency standards have been in effect for most home appliances for several years. The opportunity to significantly increase the market efficiency above the federal standards is limited for many of the major home appliances.

Therefore, TEP's demand-side management strategy for the residential sector centers on reducing the air conditioning peak load. This includes (1) improving the efficiency levels of the installed stock of air conditioning equipment, (2) reducing the air conditioning load by improving the energy efficiency of both new and existing homes and (3) reducing air conditioning consumption during peak periods with time-of-use rates. Specific residential programs and research projects are discussed below.

EFFICIENT AIR CONDITIONING

In 1994 the Residential Energy Efficiency Allowance Program offered rebates to customers who installed high efficiency air conditioners and heat pumps exceeding federal minimum standards, programmable or set-back indoor thermostats, evaporative coolers, solar water heaters and heat recovery units.

Implementation will continue for the existing home market in 1995. For the new home market the promotion of efficient air conditioning is being combined with the total package which includes energy efficient construction. TEP's Good Cents New Home Construction Program is currently being piloted.

In addition, load research is currently being conducted on air conditioners and heat pumps to better quantify peak and energy impacts and to verify residential load simulation models.

ENERGY AUDIT

The residential Step-by-Step audit program offers energy analysis and advice for efficiency improvements in existing homes. This program offers two types of analysis: Type I, a computerized analysis administered through the mail and Type II, an on-site investigation from an energy auditor. The Program was fully implemented in 1994 with an emphasis on reducing the number of costly on-site audits. Customer Service Representatives began training in 1994 to better handle customer questions over the telephone rather than sending an auditor to the residence.

TREES

In 1994, TEP partnered with Trees for Tucson to reduce summer energy use by planting trees to shade west and south facing walls of residential homes. Trees for Tucson administered TEP's program working through neighborhood associations and other customer groups, planting trees during the spring and fall planting seasons. The program stresses energy conservation and the use of xeriscaping and low-water-use trees. In addition to the direct planting of five-gallon trees, the program enhanced customer education through brochures and seminars.

The program will continue through 1995 as a community service program. As part of the pilot, load research is being conducted to estimate the reduction in summer peak demand that could be expected from the program.

ENERGY EFFICIENT CONSTRUCTION

In 1994 TEP launched its Good Cents residential new construction program. The program addresses such measures as shell improvements, efficient HVAC equipment and quality installation. The program will continue to be piloted in 1995 with full implementation planned for 1996.

TEP also supported the Desert Home research project in 1994 in conjunction with the Tucson Urban League and University of Arizona College of Architecture. This project is demonstrating energy efficiency and thermal mass construction for affordable housing.

TEP continued its association with the University of Arizona College of Architecture. This included support for the development of a residential new construction program, residential energy analysis training and assistance for developing residential energy simulation models.

TIME-OF-USE RATE

In 1994, TEP continued to pilot the Residential Time of Use Rate No. 21. Load research was conducted on a sample of the 5,000 participants.

In addition, TEP received Commission approval under ACC Decision No. 58497 to pilot an alternative rate, Residential Time of Use Rate No. 70. In addition to on-peak and off-peak periods, this rate includes a shoulder period from 10:00 AM to 1:00 PM during the summer months. In 1995, TEP will be recruiting a maximum of 5,000 volunteers to test this rate.

SOLAR

TEP will provide technical assistance in developing passive and active solar applications and programs for the Tucson Solar Village project. The Tucson Solar Village project is an 820 acre planned community for 2,400 residential units with a central business district. Tucson Solar Village Project has a goal of reducing internal energy use through a combination passive solar design, solar energy systems and other energy efficiency measures.

TEP has also installed a photovoltaic site near its Irvington Generating Station. This solar generating site is currently being monitored to determine efficiency levels and the amount of energy being introduced into TEP's grid. TEP continues its relationship with Solar Energy International, a nonprofit educational organization out of Carbondale, CO, by providing photovoltaic hardware for installation as part of a workshop held in Tucson the last week in March. A grant was recently awarded from Sandia National Laboratory to install a 5kW grid-connected array in Tucson. The goal of this system is to identify installation barriers, and to collect data on effective load carrying capacity (ELCC) for a fixed system at various plane-of-array orientations. The system has a scheduled in service date of August 1995. Most recently, TEP issued a letter of intent to Ascension Technologies, a PV system integrator out of Waltham, MA, to provide co-funding as part of a response to an EPA Request for Proposals to install an 18kW grid-connected PV system at military facilities. We have identified a site at the U.S. Army Garrison, Ft. Huachuca, AZ. Pursuant to Ascension Technologies being awarded an EPA contract, this system would be in service early in 1996.

TEP continues to offer rebates for solar water heating under the Energy Efficiency Allowance Program.

SCHOOL EDUCATION

In 1994 TEP offered a series of conservation education programs for elementary, middle and high school students. These included Insulation Station, Energy Patrol, Growing Greener Cities and In Concert with the Environment.

Insulation Station is a science class experiment that demonstrates to 4th grade students the effects on temperature inside a house from added insulation. Energy Patrol is an energy and natural resource conservation program for 5th and 6th grade students. Students compete with students from other classes to conserve energy, water and other resources at their school.

Growing Greener Cities teaches 7th grade students about the role of trees in energy conservation and the environment. In Concert With the Environment is a 9th grade program that teaches students about energy conservation and the environment. Students learn how to perform an energy audit of their home and identify opportunities for energy savings in their home through the use of a computer program that performs a bill disaggregation.

During 1994, teachers attended a Teachers Advisory Panel to gather their input about TEP's education programs.

LOW INCOME WEATHERIZATION

The main goal of the Weatherization Program is to reduce low income customers energy consumption and thereby reducing their electric and gas bills. In 1994, TEP, the Tucson Urban League and Pima County continued their working relationship to provide weatherization services to low-income customers and provide education on energy conservation and weatherization. This joint effort will continue through 1995.

TEN YEAR FOLLOW-UP PLAN

The ten year follow-up plan will be assessed after the 1995 Monitoring and Evaluation Workshop.

Commercial and Industrial Programs

Space cooling, ventilation, lighting and motors represent the largest opportunities to reduce the commercial and industrial coincident peaks. Cooling, ventilation and lighting comprise 79% of the commercial peak. Motors are not only part of the space cooling and ventilation loads but are also used for a variety of industrial processes.

TEP's demand-side management strategy for the commercial and industrial sectors centers on these end-uses. Specific programs and research projects are discussed below.

MOTORS

TEP's Commercial Motors Pilot Program was pre-approved by ACC Staff in June, 1993. The pilot program will continue through 1995. The program includes prescriptive incentives for customers and suppliers for motors which meet or exceed efficiency standards specified in the 1992 Energy Policy Act to become effective in 1997. In addition, a custom rebate is available for motor downsizing and motor system efficiency improvements. As part of the 1994 program, TEP in conjunction with EPRI, has contracted to have a process evaluation done. The goal of the process evaluation is to ultimately increase participation levels.

HVAC

In 1994, TEP introduced its Commercial and Industrial HVAC program. The program provides rebates to new and existing commercial and industrial customers for installation of unitary air conditioners, heat pumps and chillers. Qualifying efficiencies are based on the 1992 Energy Policy Act and ASHRAE Standard 90.1. The pilot program will continue in 1995.

HVAC research demonstration projects were conducted in 1994. Primary areas of interest include thermal energy storage, efficient chillers, unitary systems and heat pump technologies. The thermal energy storage at Ft. Huachucha will continue to be monitored and evaluated through 1995.

LIGHTING

TEP continued the Commercial and Industrial Efficient Lighting Program in 1994. The 1994 program included changes that were implemented as a result of an evaluation of the 1993 pilot program. Program changes included lowering rebate levels, qualifying equipment, program administration and ballast disposal procedures. Due to the success of the program, it will continue to be fully implemented in 1995.

CONSTRUCTION DESIGN

In 1994 TEP began to investigate efficiency measures in commercial construction with both current customers and companies planning to relocate to TEP's service territory. This investigation and technology screening will continue in 1995 with a pilot program planned for 1996.

TIME-OF-USE RATES

In 1994, TEP received approval under ACC Decision No. 58497 for two Time-Of-Use rates available for commercial and industrial customers. TOU Large General Service No. 85 is available to customers with billing demands above 1 MW. TOU Large Light and Power No. 90 is available to customers with billing demands above 3 MW.

COMMERCIAL AUDIT

In 1994, TEP began a pilot program consisting of a formal audit program for commercial customers. Due to software problems the mailed portion of the program was put on hold until these problems are corrected. The reduction in the number of residential on-site audits will allow the auditors more time to focus on commercial customers. The program will provide customers information on energy use and serve as a delivery mechanism for lighting, efficient HVAC, efficient motors and other DSM programs. The pilot program will continue through 1995.

TEN YEAR FOLLOW-UP PLAN

The ten year follow-up plan will be assessed after the 1995 Monitoring and Evaluation Workshop.

DSM PROGRESS FOR 1994

ITEM A 8

SECTION 2

Program	ACC Staff Pre-Approval	Participants Incremental 1994	Participants PTD	Program Costs Incremental 1994	Program Costs PTD	MW Incremental 1994	MW Annual Effect	MWH Incremental 1994	MWH Annual Effect	Net Lost Revenues Incremental 1994	Net Lost Revenues Annual Effect
Residential											
HVAC		2,590	7,623	$745,644	$2,022,317	0.95	3.27	900	3,251	$75,722	$258,873
Audit	1992	3,553	12,220	$219,197	$531,260	1.07	3.67	2,225	7,454	$142,926	$478,864
Trees	1992	3,559	7,000	$134,127	$355,422	NA	NA	NA	NA	NA	NA
Good Cents	1994	0	0	$448,914	$511,366	NA	NA	NA	NA	NA	NA
Commercial											
(2) Lighting	1992	176	632	$1,190,613	$3,804,781	3.61	11.39	13,877	50,735	$852,845	$3,056,325
Motors	1993	110	121	$44,643	$121,794	0.05	0.05	500	553	$35,701	$37,369
Audit	1994	350	1,010	$149,534	$252,665	NA	1.80	NA	2,593	NA	NA
HVAC	1994	7	7	$105,586	$165,914	0.02	0.02	32	32	$2,719	$2,719
DSM Support Programs											
(1) Education	1993	17,929	48,095	$116,911	$279,817	NA	NA	NA	NA	NA	NA
(1) Weatherization	1993	131	131	$102,040	$124,480	NA	NA	NA	NA	NA	NA
Totals		28,405	76,839	$3,257,209	$8,169,816	5.69	20.20	17,534	64,618	$1,109,913	$3,834,150

Note: INCREMENTAL - changes in results due to program growth in calendar year 1993.

Note: PTD - (program to date) cumulative results from 1991. Program cost data is from 1992 forward.

Note: Annual Effect - effect in calendar year 1993 resulting from program to date participants.

Note: Net Lost Revenues are preliminary estimates.

(1) Demand and Energy reduction are not quantified for these programs.

(2) Net Lost Revenue Annual Effect includes $153,902 correction from 1993 calculation.

DSM ACTION PLAN FOR YEAR ENDING 1994

SECTION 3

RESIDENTIAL DSM PROGRAMS

Option	Program	Status	1994 1	1994 2	1994 3	1994 4	1995 1	1995 2	1995 3	1995 4	1996 1	1996 2	1996 3	1996 4
RES2	AC (EXISTING HOMES)	IMPLEMENT	IMPLEMENT											
RES2	AC (NEW HOMES)	IMPLEMENT	IMPLEMENT				NO PROGRAM							
RES1A	AUDIT	IMPLEMENT	IMPLEMENT											
RES1A	TREES	IMPLEMENT	IMPLEMENT											
RES1A,B	CONTRUCTION (Good Cents)	PILOT			SCREEN	PILOT					IMPLEMENT			
	TIME-OF-USE-RATE	PILOT	PILOT											
	SOLAR VILLAGE	SCREEN	SCREEN											
RES1B	SOLAR WATER HEATER	IMPLEMENT	IMPLEMENT											
	EDUCATION	IMPLEMENT	IMPLEMENT											
	LOW INCOME	PILOT	PILOT											

COMMERCIAL DSM PROGRAMS

Option	Program	Current Status	1994 1	1994 2	1994 3	1994 4	1995 1	1995 2	1995 3	1995 4	1996 1	1996 2	1996 3	1996 4
COM4	LIGHTING	IMPLEMENT	IMPLEMENT											
COM2,3	HVAC	PILOT		PILOT							IMPLEMENT			
COM1,3	SMALL AUDIT	PILOT	PILOT				PILOT				IMPLEMENT			
COM1	MOTORS	PILOT	PILOT								IMPLEMENT			
	CONSTRUCTION DESIGN	SCREEN	SCREEN				DESIGN				PILOT			
	THERMAL ENERGY STORAGE	SCREEN	SCREEN				DESIGN				PILOT			
	TIME-OF-USE RATE	PILOT	PILOT				PILOT							

PROGRAM ACTIVITIES
1994

ITEM A 8

SECTION 4

Commercial & Industrial Lighting Efficiency Program

PROGRAM DESCRIPTION
The Commercial and Industrial Lighting Efficiency Program was pre-approved by the ACC Staff in February 1992. The program offers incentives for the installation of efficient lighting systems in both new and existing commercial and industrial customer facilities.

PROGRESS
A full scale program was implemented in January 1994. The application deadline was September 1, 1994. The project installation deadline was November 1, 1994, to receive a rebate in 1994. Those projects that were not completed by the deadline will be rebated in 1995 according to the 1995 rebate schedule.

PARTICIPATION
The following table reflects the participation levels by customer rate class between January 1, and December 31, 1994. These numbers reflect the actual number of jobs completed.

Rate Class	Applications Completed Jan. 1 Thru Dec. 31	Rebates Paid Jan. 1 Thru Dec. 31
10	105	$191,560
13	48	$129,064
14	20	$350,709
40	3	$17,012
Total	176	$688,345

KW AND KWH SAVINGS
Listed in the table below are the kW and kWh savings by rate class for the lighting projects completed between January 1 and December 31 under the 1994 program. Data cleaning has not been completed so actual savings may vary slightly.

Rate Class	kW Savings 1/1 Thru 12/31	kWh Savings 1/1 Thru 12/31
10	1064	3,729,505
13	978	5,315,438
14	1378	4,303,847
40	187	527,801
Total	3607	13,876,591

Note: Savings are only for direct reduction in lighting load and do not include reduction in cooling load due to decreased heat gain from more energy efficient lighting.

MARKETING ACTIVITIES

The 1994 program was introduced in March through a news release to local media. The program was promoted through a direct marketing plan tailored to customer size, similar to the 1992 and 1993 programs. Customers were divided into two groups: Group I consisted of larger customers above 500 kW demand and Group II customers below 500 kW demand. All customers in Group I received by mail, a comprehensive lighting program packet that includes:

- rebate procedure summary
- rebate schedule
- W-9 tax form
- application
- request card for additional information

Each customer in Group II received a return postage paid bill insert to mail back requesting the more detailed information packet.

In addition, the comprehensive program packet was sent to local lighting contractors and vendors who participated in the pilot program. Lighting contractors who are members of the Electric League were also mailed program packets as the Electric League continues to maintain a "Preferred Providers List" of contractors for any customer who needs assistance.

To boost mid-year participation, TEP initiated a second wave of promotions in July. The advertising plan included a full page advertisement in the Sunday, July 10, Tucson Star newspaper. The advertisement featured Tucson Newspaper who participated in the 1993 lighting program. Several smaller advertisements appeared in local business magazines until the September 1 deadline.

PROBLEMS

There were no apparent problems with the lighting program this year.

PROGRAM CHANGES FOR 1995

The program rebate levels have been revised downward. Efficient lighting technology is now readily available in Tucson, mainly due to TEP's Commercial & Industrial Lighting Efficiency Program. Several large customers have made T-8 lighting systems standard after having positive results with TEP's program.

Free ballast disposal will no longer be offered to TEP's Rate 14 customers since most of these customers have hazardous waste disposal procedures in place. However, proof of disposal will be required to receive a rebate.

The program marketing strategy will shift focus from the large commercial & industrial customers to the smaller Rate 13 and Rate 10 customers. This will be done for two reasons; 1) most large Rate 13 and 14 customers have already participated in the program or are highly aware of the program, and 2) small commercial customers are not as aware of the program or are not convinced of the technology. TEP will focus on educating this customer segment.

There are no major administrative program changes anticipated at this time. A more regular advertising schedule is planned for 1995 to keep participation rates steady throughout the year. Changes to the program will be implemented in April 1995.

ANALYSIS AND EVALUATION

The program ran very smoothly after minor changes were implemented in the 1994 program. However, the biggest complaint by TEP staff is the time required for data input for program tracking. This reduces the amount of time staff could be out meeting customers or contacting new customers. As a result, a new lighting program tracking system was implemented mid-year. The system was developed to simplify input and reporting for the program. It also offers flexibility in that the equipment database and rate information can be easily updated in-house by the program manager. Users of the new system report that it is much easier and faster to use. The new tracking system should partially alleviate the tracking burden.

The kW and kWh reduction in the 1994 lighting program was lower than in previous years. The number of participants remained high however, most of the large impact projects from large commercial & industrial customers have been completed. The number of small business participants is steady, however the impact per customer is much smaller.

TEP is currently conducting two monitoring programs to validate energy and demand savings attributable to the High Efficiency Lighting Program. The first program concentrates on the validation of the hours of operation stored within the Lighting Program tracking database. Time-of-use light loggers were installed in a sample of fixtures which were retrofitted under the 1992 and 1993 program. The hours logged will be compared to the hours used in the tracking database to calculate kWh savings. A kWh correction factor will be determined and applied to the whole database so that the reported kWh savings are as accurate as possible.

The second monitoring program is concerned with the interaction between lighting and space cooling. Initially, this interaction effect is being metered at TEP's 60,000 square foot Servicenter. A sophisticated meter installation will gather data before and after the building lighting retrofit. The purpose of this initial study is to gain a better understanding of the magnitude of cooling reduction attributable to high efficiency lighting and to determine the best test procedures and monitoring equipment necessary to accurately measure this effect. A more detailed description of both studies follows below.

Study 1: Lighting Program Hours of Operation Verification Study

During the life of the Commercial and Industrial High Efficiency Lighting Program two main questions have arisen concerning demand and energy reductions. The first question deals with the indirect effect lighting has on space conditioning. The indirect effects on cooling are not being addressed in the Hours of Operation Verification Study. The second question, addressed by this study, concerns the amount of time that the lights are actually operating versus the operating hours reported by the customer.

The objectives of the study were to:

1. Verify the daily hours of operation entered on the customers rebate form.
2. Verify kWh savings.
3. Verify coincidence of lighting reductions with TEP's summer peak.

Lighting loggers were installed at randomly selected 1993 and 1994 lighting customers facilities. After comparing the collected logger data with the customer supplied database data there were no apparent patterns among the data. For instance, the larger Rate 14 customers reporting wasn't any more accurate or inaccurate than the smaller Rate 10 customers.

Overall the lighting database kWh's are 3.57% lower than what was actually seen by the light loggers.

Study 2: HVAC -- Efficient Lighting Interaction Study

TEP records detailed information for commercial and industrial lighting retrofits in a program tracking database. Energy and demand savings are calculated using engineering algorithms. One of the uncertainties that exists when using the engineering estimates is the effect of efficient lighting on the HVAC load. There are many claims made about the lighting HVAC interaction effect -- the impact of lighting as a percentage of cooling and heating input energy and demand. Most of these claims are made based on simulation studies. EPRI reports that simulation models work well since there are many complicated interactions between internal gains, shell heat gains, thermal mass effects, HVAC system efficiency, and HVAC system control that influence HVAC energy consumption and demand. EPRI shows commercial lighting HVAC Interaction Factors for the Phoenix area to be in the range of 17 to 26 percent for consumption and 45 percent for demand. (Engineering Methods for Estimating the Impacts of Demand-Side Management Programs, Volume 2, EPRI Aug. 1993.) ASHRAE published an HVAC-lighting factor of 69 percent for energy in the Tucson area. (Calculating Lighting and HVAC Interactions, ASHRAE Journal, November 1993). TEP is recording actual metered data to estimate the lighting-HVAC interaction in one of TEP's office buildings by monitoring building and equipment information before and after the lighting retrofit.

The objective is to estimate the impact of energy efficient lighting on HVAC energy consumption and peak demand on a medium size office building in TEP's service territory.

Data on the HVAC--lighting interaction effect in TEP's service territory is being collected for TEP's 60,000 square foot Servicenter office building. Energy and demand information has been collected since June of 1994. A new T-8 lighting retrofit took place during the latter part of 1994 so both before and after energy and demand estimates have been recorded.

The Servicenter was chosen for several reasons: (1) the timing of the lighting retrofit was close to when our system peaks, (2) office buildings represent a large share of our efficient lighting program participants and (3) TEP owns the building so we don't have to impose on any customers while we learn to use the metering equipment.

The lighting load, before the installation of the efficient lighting, was estimated by carefully counting every type of light fixture and the number of lamps working. A meter was used to take a one-time measurement of the fixture kW by lamp and ballast type. This measurement was aggregated to find the total lighting load. Lighting system operating hours were carefully estimated using run-time light loggers. Now that the new T-8 lighting system has been installed, the "after" lighting load will be estimated using the same method.

The HVAC system consists of two 100 ton chillers with constant volume air handlers. Each chiller will be carefully monitored by recording kWh, kW, indoor and outdoor air temperatures, indoor and outdoor relative humidity, and inlet and outlet water temperatures. The air handlers will not be metered since they run constantly. All of the measurement, including the full-building load, will be recorded simultaneously with sampling taking place every nine seconds over a five minute interval.

Because the chilled water in the HVAC system that is being metered does not fluctuate very much, the flow of chilled water was not metered initially. Due to the high cost of a reliable flow meter, the flows were not measured when the metering project began. Several months after the start of the metering project, funds were made available to purchase a flow meter and a flow meter was installed.

The monitoring equipment was installed before TEP's system peaked on June 29th 1994, so the 1994 peak was captured on the recording equipment. The full-building load and chiller load will continue to be metered. The data will be analyzed when our system peaks in 1995 so that a before retrofit and after retrofit peak effect is captured.

Step-By-Step Home Energy Analysis Program

PROGRAM DESCRIPTION
TEP's Step-By-Step Pilot Program was pre-approved by the ACC Staff in August 1992. The program offers two tiers of residential home energy analysis. The first step (Type I audit) requires the customers to complete and return a questionnaire about their home and energy usage patterns. A computer generated report on recommended conservation measures is then processed and mailed to the customer. If further assistance is desired an on-site (Type II audit) visit by one of TEP's Energy Auditors is conducted. In some cases, such as a very high bill complaint, step one may be omitted.

PROGRESS
A successful pilot of the Step-By-Step Program was concluded in 1993. The Step-By-Step Program became fully implemented in 1994.

PARTICIPATION
For the year ending 1994, 5,858 customers were solicited and mailed a Residential Energraf questionnaire. 1,081 questionnaires were returned and processed. 2,472 on-site audits were also completed.

KW AND KWH SAVINGS
Estimates of kWh savings based on DSM measures were recommended in the audit. These measures are shown in the tables on the following pages. Estimates of kW impacts are based on engineering estimates calculated using EPRI's ESPRE computer simulation model. kW and kWh savings for 1994 are as follows:

SUMMARY

AUDIT TYPE	PARTICIPANTS	KW SAVINGS	KWH SAVINGS
TYPE I	1,081	324	1,083,202
TYPE II	2,472	742	1,141,352
TOTAL	3,553	1,066	2,224,554

MARKETING ACTIVITIES
Changes initiated during 1993 to create a proactive promotion, continued through 1994. Direct mail announcements for the Type I Audit resulted in a 49% increase in activity compared to 1993. Since it is more expensive to provide the Type II Audit, participants are referred from TEP's Customer Service Department, or are determined from participation in the Type I Audit. Additional training has been provided to Customer Service Personnel in attempts to limit Type II Audits to individuals who are truly interested in energy conservation or who have the greatest potential for demand and energy savings.

PROBLEMS
There were no problems in 1994.

PROGRAM CHANGES FOR 1995

Direct mail announcements will continue in 1995, but the annual energy use target will be increased. This will result in promotion of Type I Audits to customers with energy consumption as high as 12,000 kWh/year. Type II Audits will be limited as described above to allow more time for Small Commercial Audits.

Additional training opportunities are planned in 1995 for Customer Service Representatives. Increased awareness about appliance energy use and conservation opportunities will enable the Customer Service Representative to present this information during telephone interviews and reduce the need for costly on-site inspections.

ANALYSIS AND EVALUATION

No program evaluation was performed in 1994.

TYPE I AUDITS
DSM RECOMMENDATIONS
1994

Suggested Measure	Equipment Effected	Number Suggested	Total kWh Reduction	Average kWh Reduction	Percentage of Total Program Reductions
Water Heater Insulation/ Lower Water Temp	Electric WH	155	23,804	154	**2.20%**
Low Flow Shower Head	Electric WH	142	25,780	182	**2.38%**
Timer on Circ. Pump	Electric WH	18	18,635	1035	**1.72%**
Set Back Thermostat	Res Heat/ AC	155	90,594	584	**8.36%**
Heat Pump	Res Heat	155	104,286	673	**9.63%**
Ceiling Insulation	Res Heat/ AC	484	87,823	181	**8.11%**
Change Filters/Evap Cooling		466	222,632	478	**20.55%**
Adjust Water Bed Temperature		192	6,318	33	**0.58%**
Reduce Pool/Spa Pump Hours		6	5,527	921	**0.51%**
Efficient Refrigerator		738	340,066	461	**31.39%**
Washing Machine Water Level		982	2,451	2	**0.23%**
Dryer Cycle Time		896	20,263	23	**1.87%**
Lighting		985	135,022	137	**12.47%**
Total Annual Reduction **			1,083,202	1,002	
Audits Completed thru 12/31/94		1,081			

* Estimated average kWh reduction per audit.

** Total estimated kWh reduction for Type I audits for January 1-December 31, 1994

TYPE II AUDITS
DSM RECOMMENDATIONS
1994

Suggested Measure	Equipment Affected	Number Suggested	Number Installed	Estimated Annual kWh Usage	Max % Reduction	*Total kWh Reduction
Water Heater Insulation	Electric WH	674	183	3,698	9%	60,906
Lower Water Temp	Electric WH	358	144	3,698	9%	47,926
Timer on Circ. Pump	Electric WH	26	12	3,698	50%	22,188
Set Back Thermostat	HP	137	28	2,364	30%	19,858
	Res Heat	159	21	5,275	30%	33,233
	AC	380	62	3,294	30%	61,268
Ceiling/Wall Insulation	HP	15	8	2,364	21%	3,972
	Res Heat	29	11	5,275	21%	12,185
	AC	80	38	3,294	21%	26,286
Space Heaters	HP	17	10	2,364	20%	4,728
	Res Heat	161	50	5,275	20%	52,750
Ceiling Fans	AC	457	129	3,294	20%	84,985
Paint Ducts	HP	88	20	2,364	3%	1,418
	Res Heat	62	4	5,275	3%	633
	AC	283	54	3,294	3%	5,336
Weatherstrip/Caulk	HP	215	42	2,364	10%	9,929
	Res Heat	475	67	5,275	10%	35,343
	AC	855	177	3,294	10%	58,304
Change Filters	HP	253	84	2,364	5%	9,929
	Res Heat	444	112	5,275	5%	29,540
	AC	1009	315	3,294	5%	51,881
Repair Holes in Duct	HP	24	10	2,364	8%	1,891
	Res Heat	27	13	5,275	8%	5,486
	AC	84	38	3,294	8%	10,014

TYPE II AUDITS
DSM RECOMMENDATIONS
1994

Suggested Measure	Equipment Affected	Number Suggested	Number Installed	Estimated Annual kWh Usage	Max % Reduction	*Total kWh Reduction
Double Pane Windows	HP	7	6	2,364	15%	2,128
	AC	41	18	3,294	15%	8,894
New Roof/Insulation	HP	2	4	2,364	21%	1,986
	AC	21	17	3,294	21%	11,760
Sunscreen or Shading	AC	390	137	3,294	25%	112,820
Close Fireplace Damper	HP	68	0	NA	NA	NA
	Res Heat	75	1		NA	NA
Cooler Thermostat	Evap	195	26	NA	NA	NA
Install Damper	HP	23	9	2,354	2600	23,400
	Res Heat	62	15	5,275	2600	39,000
Adjust Water Bed Temperature		278	103	80	10%	824
Reduce Pool/Spa Pump Hours		292	187	2,383	20%	89,124
Line Dry Clothes		207	150	876	20%	26,280
Reduce # Refrig/Freezers		343	113	1,550	100%	175,150
Repair Water Leaks		41	36	NA	NA	NA
Timer on Pool/Spa		71	37	NA	NA	NA
Total Annual Reduction						1,141,352
Completed Audits In 1994	2,472					

NA = Not Available
*Total kWh reduction is a preliminary estimate.

Trees Program

PROGRAM DESCRIPTION
TEP's Trees Program was originally pre-approved by ACC Staff in December 1992. Major program revisions were approved in June 1993. The purpose of the TEP Trees Program is to promote energy conservation and the environmental benefits associated with planting low water usage trees and other vegetation. The primary goal of the Program is to plant at least 7,000 desert-adapted, 5-gallon trees. The trees will be located on the south, west and east sides of residences in the TEP service area over a 3 year period.

PROGRESS
Five gallon trees are being planted and emphasis is put on direct tree planting instead of indirect promotions and advertising.

Tree planting in 1994 took place during the Spring planting season and again during the Fall season beginning in September and continuing through December. TEP's 7000 tree goal was met by year-end 1994.

PARTICIPATION
The trees were mainly distributed to 80 existing neighborhoods and new home developments. The greatest interest continued to be on the northwest side in the Oro Valley area. Most of the homes in the Oro Valley area are relatively new and are cooled by central air conditioning.

KW AND KWH SAVINGS
kW and kWh reductions from the Trees program have not been estimated at this time.

MARKETING ACTIVITIES
400 neighborhood associations and community groups were initially notified of the revised program in 1993 and communication and applications continued during 1994. Articles in several newsletters and word of mouth accounted for many inquiries as well. Trees for Tucson met with interested neighborhood groups to provide customer education, discuss requirements for participation, and coordinate the actual tree delivery and planting.

PROBLEMS
The availability of trees in the Tucson area was the most significant problem experienced in 1994. The residential building boom in Tucson, 1993/94, depleted the supply of trees in Tucson and trees were being delivered from Phoenix. Going outside the Tucson area added additional tree and administration costs to the program.

CHANGES FOR 1995
Due to overwhelming success and support at the highest level of management, TEP in conjunction with Trees For Tucson will plant approximately 3000 trees at residences within the TEP service territory. TEP and Trees For Tucson have also set aside funds to plant trees at schools and other public buildings. The 1995 Tree program will be considered a community service program and not a DSM program.

ANALYSIS AND EVALUATION

TEP has been tasked with proving the cost effectiveness of it's Trees program. To accomplish this, TEP is currently involved in two load research projects with the Western Center for Urban Forest Research. The Enclave project involves before and after metering of residential homes over two summer period. A longer project will take place over 4-5 years in cooperation with Davis-Monthan AFB. Both studies will estimate the air conditioning energy reduction due to direct shading effects from trees.

Study 1: Monitoring and Evaluation of Energy Savings from Tree Planting in Residential Neighborhoods

The Enclave is a relatively new development in neighborhoods of single family detached homes. Since little landscaping is provided, there is very little shading. A sample of 5 residences will be metered between June 1995 and November 1996. Baseline data will be collected during the 1995 summer with large trees being planted in the fall of 1995. Metering will continue through the summer of 1996 to collect 'after' data. Currently, home selection and scheduling meter installations are ongoing.

Study 2: Monitoring and Evaluation of Energy Savings from Tree Planting at Davis-Monthan AFB

The Davis-Monthan AFB project will accomplish the same objectives as the Enclave project but research will be conducted over a longer time frame. Twelve homes will be metered, (6 with trees and 6 without), over a 4-5 year period. Baseline data is currently being gathered on all 12 homes while the trees are not yet large enough to produce shade. When the trees have reached a height sufficient to produce enough shade to cover a portion of the home, the baseline residences will be metered.

These two monitoring projects will allow TEP to determine if there is a recognizable reduction of air conditioner energy to warrant a larger study more representative of Tucson.

Commercial & Industrial
High Efficiency Motors Program

PROGRAM DESCRIPTION
The Commercial High Efficiency Motors program was pre-approved by the ACC Staff in June 1993. The program provides rebates to new and existing commercial and industrial customers for the installation of motors meeting the standards in the 1992 Energy Policy Act. This federal standard is effective for motors manufactured after October 24, 1997. A bonus rebate is available for exceeding minimum program requirements.

PROGRESS
The pilot program that began in 1993 continued through 1994. Customer participation through December 1994 has been primarily for worn out motor replacements. The program participants are primarily institutional customers who include motor replacements in their annual capital budget. TEP is expecting continued participation from these customers as further internal funding is allocated for the purchase of high efficiency replacements for operational motors approaching the end of their useful life. TEP also saw large participation from companies relocating within the TEP service territory.

The customized MotorMaster software was updated to incorporate new retail rates as a result of ACC Decision No. 58497. The updated version was distributed to all 1993 customer and dealer software recipients during the first quarter of 1994.

PARTICIPATION LEVELS
The following table reflects the participation levels of each customer rate class for 1994.

Rate	Motors Installed Jan. 1 Thru Dec. 31	Rebates Paid Jan. 1 Thru Dec. 31
10	107	$13,968
13	2	$176
14	1	$104
Total	110	$14,248

KW AND KWH SAVINGS

RATE	kW Savings Jan. 1 Thru Dec. 31	kWh Savings Jan. 1 Thru Dec. 31
10	45.20	499,784
13	0.00	23
14	0.01	30
Total	45.21	499,837

MARKETING ACTIVITIES
No new marketing activities have been initiated for the period of January 1, 1994, through December 31, 1994.

PROBLEMS

Participation levels were low in 1994. Preliminary feedback from customers and trade allies has indicated that the capital budgeting requirements and downtime considerations are highly prohibitive for replacing an operational motor. The 1994 program participation is still limited to customers replacing motors that have failed. The program has not yet influenced point of purchase decisions by leveraging dealers to encourage the purchase of high efficiency motors. TEP has experienced situations where customers have purchased equipment from an original equipment manufacturer containing standard efficiency motors where a high efficiency motor could have been used.

CHANGES FOR 1995

The program packet, incentive structure, and marketing materials will be re-designed based on the ongoing process evaluation of the program.

The methodology required for determining downsizing potential and data required from customers will be re-evaluated based on recent findings of the Arizona Energy Office. The interactive effects of speed, part load efficiency, and power factor will be examined.

ANALYSIS AND EVALUATION

A process evaluation is being conducted to determine the most applicable direction for future marketing activities. The main focus of the evaluation is to increase participation while keeping program costs at a minimum.

Low Income Weatherization Program

PROGRAM DESCRIPTION
The initial ACC approval for TEP to develop a low income weatherization program was granted in October 1991, in Decision 57586. In September 1993, The ACC Staff concurred that TEP's Low Income Weatherization Program was consistent with Decision 57586.

TEP, the Tucson Urban League and Pima County have established a working relationship to provide weatherization services to low-income customers and provide education on energy conservation and weatherization.

PROGRESS
The administrative responsibility for the low-income Weatherization Program is divided between Pima County and the Tucson Urban League and depends on where the participants home is located.

PARTICIPATION
The following table reflects the participation levels by community group between January 1, and December 31, 1994.

Organization	YTD Homes Weatherized	YTD Expenses
Tucson Urban League	91	$68,815
Pima County	40	$33,225
Total	131	$102,040

KW AND KWH SAVINGS
The majority of Program participants generally have evaporative cooling and gas space heating. Therefore, the program is not expected to reduce TEP's summer peak load. The main benefits of the program will be the reduction of gas and electric bills for low income customers. TEP is planning to monitor and evaluate this benefit as discussed below under "Analysis and Evaluation."

MARKETING ACTIVITIES
Promotion of the Low Income Weatherization Program occurs through Tucson Urban League and Pima County Community Services. Participation has been slower than anticipated due to coordination and follow-up problems with each agency. Both agencies have requested minor modifications to increase potential weatherization measures in 1995.

PROBLEMS
Requests have been made from Pima County to expand the list of approved items to include air conditioner repair and replacement air conditioning equipment. They have also requested that we modify the monitoring database application to allow data entry to five decimals. These requests have been considered and were determined to be unnecessary.

PROGRAM CHANGES FOR 1995

Program changes for 1995 include increasing the $750 maximum per home expenditure to an average of $1000 per home and adding insulated doors and mobile home skirt to the list of approved weatherization measures.

ANALYSIS AND EVALUATION

The main goal of the Weatherization Program is to reduce low income customers' energy consumption and thereby reduce their electric and gas bills. Therefore, to determine the effectiveness of this program, TEP will monitor the gas and electric bills of participants, both before and after weatherization measures are performed.

In addition, TEP will survey participants to determine program satisfaction, improvements in comfort levels and changes in energy consumption patterns as a result of program participation.

School Education Programs

PROGRAM DESCRIPTION
TEP offers several school education programs that cover a variety of topics related to energy and natural resource conservation and environmental awareness. These programs are targeted to students in elementary through high school. TEP's school education programs include:

INSULATION STATION (4TH GRADE)
This program was pre-approved by the ACC Staff in March 1993. The Insulation Station is a hands-on learning kit containing ready-to-assemble model houses and the necessary supplies to conduct science and math activities on insulation and home energy efficiency. Materials available are model home kits, student workbooks containing charts, graphs, activities and a home energy audit.

ENERGY PATROL (5TH-6TH GRADES)
This program was pre-approved by the ACC Staff in March 1993. The Energy Patrol is an Arizona Energy Office-sponsored program which students monitor classrooms to ensure that lights and water are turned off when the rooms are vacant. This reduces electrical and water consumption costs and teaches students about energy conservation.

GROWING GREENER CITIES (7TH GRADE)
This program was pre-approved by the ACC Staff in December 1992. This course is designed to teach 7th grade students about the role of trees in the environment and how trees can be used to shade buildings to help conserve energy. Growing Greener Cities has been offered in conjunction with the Cool Communities Program for which TEP is the utility sponsor in Tucson. Growing Greener Cities also supports TEP's Tree Program that promotes tree planting on the southern, western and eastern exposures of buildings.

IN CONCERT WITH THE ENVIRONMENT (9TH GRADE)
This program was pre-approved by the ACC Staff in January 1994. In Concert With The Environment is a hands-on activity in which students conduct an energy audit of their homes and record detailed information on household energy use and lifestyle. This information is input into a computer software program which generates a personalized portrait of household usage.

PARTICIPATION
The table below includes participation from January 1994 through December 1994.

PROGRAM	NO. OF SCHOOLS	NO. OF STUDENTS
INSULATION STATION	60	3,000
ENERGY PATROL	27	13,500
IN CONCERT WITH THE ENVIRONMENT	3	329
GROWING GREENER CITIES	14	1,100
TOTAL	104	17,929

KW AND KWH SAVINGS
The school education programs are essential for supporting TEP's overall DSM effort. They provide awareness of energy and environmental issues that are important for increasing conservation over the long-run. The near-term performance of these programs will be evaluated based on how effectively the conservation message is being taught. TEP should see kW and kWh savings in the future as students eventually turn education into action. However, because the long-term effect is difficult to measure and track, kW and kWh savings are not being measured or tracked for this program.

MARKETING ACTIVITIES
The first half of 1994 consisted of on-going classes developed from the workshops and meetings conducted during 1993. Two workshops for the Insulation Station program were conducted in 1993 for the '93-'94 school year. Fourth grade teachers from 36 schools attended. Two workshops were held in 1993 for the Energy Patrol program, one at TEP and one at the Arizona Science Teachers Association Annual Convention in Phoenix. As a result, the Energy Patrol program is now operating in 27 schools in TEP's service territory. Insulation Station is being offered in 36 schools.

In Concert with the Environment was piloted during the Fall 1993 semester at Desert View High School, Flowing Wells High School and Tucson High Magnet School and continued through Spring 1994.

PROBLEMS
No significant problems were encountered in 1994.

CHANGES FOR 1994-95
The In Concert with the Environment program has expanded to 2500 students in the Tucson area high schools scheduled to participate in 1995-96.

ANALYSIS AND EVALUATION
The school education programs will be monitored on the basis of the number of teachers attending the workshops and the number of participating students.

In June 1994, 10 teachers that participated in Insulation Station, Cool Communities and Energy Patrol attended a Teachers Advisory Panel conducted by TEP. TEP looked at the following: (1) were their needs met, (2) were programs and materials easy to use and realistic, (3) were the children challenged by the activities and, (4) what changes would the teachers make to the programs. The response was very favorable. The teachers all agreed that practical information was being learned and the energy conservation message was being taken home and put to use.

Pilot Commercial Energy Audit Program

PROGRAM DESCRIPTION
The Commercial Audit Program, approved in June 1994, is being used as a delivery mechanism for those programs identified in the 1992 IRP and is also being used to help identify other potential DSM opportunities.

The Commercial Audit Program is divided into two target groups: small Rate 10 customers and the larger Rate 10 and Rate 13 customers. This will allow TEP to conduct audits that focus on each group and encourage energy and demand reductions via existing and future commercial programs.

PROGRESS
Emphasis was placed on expanding the analysis capabilities of the software and training audit personnel during 1994.

PARTICIPATION
In 1994, the smallest commercial customers were mailed a Commercial Energraf questionnaire and 33 questionnaires were returned and processed using the Energraf software. 317 on-site audits were also completed.

KW AND KWH SAVINGS
Data on demand and energy reductions associated with this program are not available as of this filing.

MARKETING ACTIVITIES
In 1994 Direct mail was used to target a small group of rate 10 customers to provide detailed testing of the software and refine operating procedures. During the summer months high bill complaints and direct mailings were used to control the work load of Audit personnel.

PROBLEMS
The Commercial Energraf software works fine for small office buildings. But, the software still lacks the versatility needed to accurately calculate energy use for other types of small commercial buildings. The software was found to have several energy-use inaccuracies when used for small commercial uses other than office buildings. TEP is working with the software vendor to solve these problems and is trying to develop a product that is more accurate and versatile for all small commercial building types. The software vendor has just recently made some major modifications to the software and the changes are being tested.

TEP will continue on-site commercial audits while the software is being improved, but no additional questionnaires will be mailed out to customers until the software problems are resolved.

Due to the lengthy delays in the software development process and our lack of satisfaction to-date with the product, TEP has started investigating other potential products that could benefit our small commercial customers. One available software program that we are investigating is similar in concept to the Commercial Energraf program but does not try to allocate consumption data to end-uses. Instead, it reports historical consumption and then presents a *typical* industry break-down of energy by end use with educational tips on how to save energy.

PROGRAM CHANGES FOR 1995

Due to the current software problems there are no foreseen changes in the program at this time. Another product is being considered.

ANALYSIS AND EVALUATION

Demand and energy reductions will be tracked by monitoring the Commercial DSM programs that customers participate in after the audit. In the case of non-program specific measures (example: shell measures), calibrated engineering estimates will serve as the primary method of estimating load impacts.

Commercial & Industrial
High Efficiency Cooling Systems Program

PROGRAM DESCRIPTION

The Commercial High Efficiency Cooling Systems program was pre-approved by the ACC Staff in May 1994. The program provides rebates to new and existing commercial and industrial customers for installation of unitary air conditioners, heat pumps, and chillers. Qualifying efficiencies must exceed the 1992 Energy Policy Act and ASHRAE Standard 90.1. A base rebate is available for equipment meeting minimum qualifying efficiencies according to type and capacity with an additional rebate available for further efficiency upgrades. A rebate of $200 per kilowatt shifted for Thermal Energy Storage Systems is also available.

PROGRESS

The pilot program will continue through 1995. Purchases of large chillers are often budgeted on an annual cycle. TEP is expecting significant participation from smaller customers having unitary air conditioners as equipment failure occurs.

PARTICIPATION LEVELS

The following table reflects the participation levels of each customer rate class as of December 31, 1994.

RATE	HVAC INSTALLED JUNE 1 THRU DEC. 31	REBATES PAID JUNE 1 THRU DEC. 31
10	3	$ 643
13	4	$10,104
14	0	$ 0
TOTAL	**7**	**$10,747**

KW AND KWH SAVINGS

RATE	KW SAVINGS JUNE 1 THRU DEC. 31	KWH SAVINGS JUNE 1 THRU DEC. 31
10	2.00	3,339
13	17.36	28,930
14	0.00	0
TOTAL	**19.36**	**32,269**

MARKETING ACTIVITIES

The Cooling Systems Program was introduced in early June 1994. A bill insert was sent to all of TEP's 26,000 commercial and industrial customers with a mail-in card to request a program packet. The program packet including a cover letter, rebate schedule, Federal Tax Form W-9, application, and EPRI and EEI chiller and CFC information brochure was distributed to all Rate 14 customers and 700 Rate 13 customers. TEP also hosted a kick-off presentation for the commercial HVAC contractors. The presentation included an explanation of program requirements, operations, and the benefits of high efficiency unitary and chiller equipment. The contractors were given a program packet and an estimated rebate worksheet to complete and leave with customers as a marketing tool. Approximately 31 contractors were in attendance.

Trade ally participation in program promotion to small commercial customers will be a primary focus of the pilot program. Thermal Energy Storage information packets with EPRI brochures will be available upon customer request.

PROBLEMS

Preliminary feedback from the commercial contractors indicates that the minimum qualifying energy efficiency ratio (EER) for unitary equipment may be difficult to meet.

CHANGES FOR 1995

No changes are anticipated for 1995 at this time.

ANALYSIS AND EVALUATION

The kilowatt and kilowatt-hour program impact will be primarily estimated through engineering modeling through 1994. The pre-approval conditions outlined by the ACC Staff will be evaluated as participants and trade allies are developed throughout the duration of the pilot program. Preliminary progress towards fulfilling these conditions include:

- Major Thermal Energy Storage project is in planning stages with customer.
- HVAC interaction study will be continued through the summer of 1995.
- The commercial space cooling baseline and market research was completed.
- Empirical study of baseline equipment and HVAC operations is being planned for summer of 1995.

Residential Energy Efficient Allowance Program

PROGRAM DESCRIPTION
The Residential Energy Efficient Allowance Program currently offers rebates to customers who install high efficiency air conditioning and heat pumps that exceed minimum Federal standards. Rebates are also paid for programmable or set-back thermostats, evaporative coolers, solar water heaters and heat recovery units.

PROGRESS
Implementation will continue unchanged for the first quarter of 1995.

PARTICIPATION
The following table reflects the participation levels by listing each type of appliance rebated as of December 31, 1994.

APPLIANCE	NUMBER SOLD THRU 12/31/94	REBATES PAID THRU 12/31/94
AIR CONDITIONER	1950	$ 515,882
HEAT PUMP	511	$ 120,759
EVAPORATIVE COOLER	1	$ 138
SOLAR WATER HEATER	7	$ 700
THERMOSTAT	121	$ 3,224
HEAT RECOVERY UNIT	0	$ 0
TOTALS	**2590**	**$ 640,703**

KW AND KWH SAVINGS

APPLIANCE	KW SAVINGS THRU 12/31/94	KWH SAVINGS THRU 12/31/94
AIR CONDITIONER	689	699,550
HEAT PUMP	139	140,796
EVAPORATIVE COOLER	3	975
SOLAR WATER HEATER	NA	25,900
THERMOSTAT	121	33,275
HEAT RECOVERY UNIT	0	0
TOTALS	**952**	**900,496**

MARKETING ACTIVITIES
TEP is currently working closely with residential HVAC contractors to keep them informed of program availability and rebate levels. In the future TEP may take a more proactive approach to promoting high efficiency air conditioners and heat pumps.

PROBLEMS
There were no apparent problems in 1994.

CHANGES FOR 1995

For the new home market the promotion of efficient HVAC equipment has been combined with TEP's Good Cents Program which promotes a total package that includes energy efficient construction.

ANALYSIS AND EVALUATION

Load research will be conducted on air conditioners and heat pumps in 1995 to better quantify peak and energy impacts and to verify residential load simulation models. Metering will be in conjunction with the end-use metering project currently in the planning stage.

Good Cents Pilot New Home Construction Program

PROGRAM DESCRIPTION
The Good Cents Pilot New Home Construction Program was approved by the ACC on October 13, 1994. The Pilot New Home Construction Program is designed to promote energy efficient home construction practices and technologies in the Tucson area through the national Good Cents program. Qualifications for participation are based on specified construction standards and HVAC efficiencies that exceed current building practices and energy codes. The program is "fuel neutral"; installation of electric space or water heating is not required for participation.

PROGRESS
In October, TEP staff received three days of classroom and field training on duct leakage and air quality presented by Doug Garrett, Senior Energy Coordinator of the Environmental and Conservation Services Department for the City of Austin. Doug also provided the same training for APS and area co-ops coordinated throught the Arizona Energy Office. In November, TEP staff attended a one week training session on Manual J and Manual D. This course, presented by instructors from Good Cents, included heat gain and heat loss calculation methods, training on the Good Cents simulation software, and proper duct design. These training sessions prepared staff to analyze builder plans, make recommendations and prepare for field inspections. The program was announced to builders in October and to the public in December.

PARTICIPATION
There were five custom builders and one production builder participating in the program by December 30, 1994.

KW AND KWH SAVINGS
Due to the short period that the program has been in effect, no kW or kWh savings have been obtained to date.

MARKETING ACTIVITIES
The Good Cents Program was announced to Tucson Builders at a kick-off dinner on October 26, 1994. The dinner was held at the La Paloma Resort with approximately 125 builders, contractors and related trade allies in attendance. Michael Rucker, the national spokesman for Good Cents, spoke at the dinner and explained the benefits of participating in a nationally recognized energy efficiency program.

To assist builders and contractors to qualify for Good Cents certification, Tucson Electric Power hosted three training seminars. The first was an evening session on duct leakage and air quality issues. Approximately 71 builders and contractors attended the seminar presented by Doug Garrett, duct leakage specialist for the City of Austin. The second was also an evening session on Insulation Installation. Approximately 42 builders and contractors attended the seminar. Representatives from Certainteed and Owens Corning gave presentations on the proper installation of both batt insulation and blown in cellulose or fiberglass. A one day seminar on all aspects of Good Cents construction was presented by Mark McGrann, a certified instructor for Good Cents. He presented the information to 14 builders and contractors.

TEP representatives began meeting with individual builders about the program in November 1994. Representatives explain the program requirements to the builder. If the builder wishes to qualify by the performance method, the representative collects the builder's plans and enters each plan in

the Good Cents simulation software to determine what modifications should be made to meet the Good Cents thermal performance requirements.

The Good Cents program was announced to the public in the December issue of the Tucson New Homes Guide in which the qualities of a Good Cents home were explained in detail.

PROBLEMS

The Good Cents program has been very successful considering the short implementation period. However, TEP was short staffed at the time the program was announced and has been unable to keep up with builder demand for simulation studies. Staff is now in place to alleviate this problem.

CHANGES FOR 1995

No changes to the program are foreseen in 1995.

ANALYSIS AND EVALUATION

A Good Cents tracking database is currently under development. The database will track builder participants as well as individual Good Cents homes. Energy efficiency features such as R-value, window U-value, percentage of window area, etc. will also be tracked in the database. kW and kWh reduction will be based on simulation analysis. A process evaluation is planned for the fourth quarter of 1995.

Demand-Side Management Applications for Copper Mines

INTRODUCTION
In order to maintain a competitive position in the copper industry TEP's largest customers (Cyprus Sierrita and ASARCO) have explored the feasibility of installing cogeneration plants as an alternative to buying electricity for its mining complexes. To retain these large customers TEP proposed discounted rates for both Cyprus and ASARCO. These new rates along with a sum of money to evaluate or install energy conservation measures are consistent with ACC Decisions 58188 and 58584. It is uncertain at this time what measures, if any, would actually be identified or installed. Details of both demand-side studies follow below.

Study 1: Cyprus Sierrita Energy Audit of Mill Equipment, Mine and Mill Distribution, and Facility Lighting Systems

PROGRAM DESCRIPTION
In the approved Amendment Number 1 to the Electric Service Agreement between Tucson Electric Power Company and Cyprus, ACC Decision Number 58188, an additional provision was included for TEP to spend up to $75,000 to evaluate or install energy conservation measures for Cyprus. A Request for Quotation (RFQ) was developed by TEP and Cyprus soliciting a detailed facility energy audit identifying demand-side management opportunities and a feasibility study with a complete cost benefit analysis for those items identified as generating potential savings. In November 1993, the RFQ was sent to 3 consulting engineering firms experienced in mining operations. The RFQ was awarded and the work commenced in January 1994.

OBJECTIVE
The main objectives of the evaluation were to:
1. Examine the efficiency degradation of rewound motors,
2. Determine possible improvements to the 3,000 horsepower mill motors,
3. Assess the reliability of the electrical distribution system,
4. Evaluate the losses in the distribution system providing pit power,

PROGRESS
The Cypress study was completed at the end of 1994. The mill equipment, mine and mill distribution systems, and lighting systems were analyzed for recommended improvements including project costs, benefits, and simple and discounted payback. Cyprus requested the consultant to focus the analysis on areas with significant energy savings potential, projects having a 2 year or less payback period with a 20% interest rate.

The mill equipment analysis primarily focused on the mill motors. The options for efficiency improvements of the mill motors include:

1. Replace with new high efficiency motors,
2. Rewind mill motors with cut coils,
3. Rewind and re-stack mill motors with damaged core iron,
4. Reduce the excitation of mill motors from leading to unity,

Variable speed drives, power factor correction capacitors, and high efficiency replacements were examined for other induction motors within the mill. The air compressor system and the flotation

concentrator were also examined for energy saving potential. Motor downsizing or elimination to reduce demand was examined in several cases.

A lighting system audit of over 2,000 fixtures was performed to identify opportunities to replace T-12 lamps and magnetic ballasts with T-8 lamps and electronic ballasts. Areas where occupancy sensors could reduce lighting hours of operation were also identified. The outdoor lighting system was not examined because the mine is already switching from mercury vapor lighting to high pressure sodium to attain more light output.

Finally, the distribution system opportunities identified were primarily to minimize excitation losses by re-configuring the system to eliminate unneeded or downsize partially loaded transformers. A relay coordination study, 2-way air-break switch, and ground fault protection at the pit were also identified as areas for improved reliability, safety, and reduced losses.

Study 2: ASARCO Energy Audit of Mill Equipment, Mine and Mill Distribution, and Facility Lighting Systems

PROGRAM DESCRIPTION
In ACC Decision Number 58584, an additional provision was included for TEP to spend up to $50,000 to evaluate or install energy conservation measures for ASARCO.

OBJECTIVE
The main objective of the evaluation will be to determine energy, demand and cost savings attributable to energy consumption.

PROGRESS
The ASARCO study is currently underway. A copy of the RFP was sent to the ACC Staff.

DSM TECHNICAL RESEARCH PROJECTS
1994

ITEM A 8

SECTION 5

Tucson Urban League Desert Home

PROJECT DESCRIPTION

The Desert Home project was pre-approved by the ACC Staff in June, 1993. The project is a resource-efficient demonstration project for the Tucson Urban League. The project includes two homes that share a common wall. One home is approximately 1,060 square feet with three bedrooms; the other is approximately 740 square feet with one bedroom. The second home illustrates how the home can be built in sections and be added to over time. This "starter" house is being used as an exhibit center for the project. TEP provided two advanced-design evaporative coolers, which use direct drive, variable speed high efficiency motors. TEP has also provided the use of energy monitoring equipment for the project.

OBJECTIVE

The project will provide detailed energy use data on passive solar designed residence and advanced evaporative coolers. Data will be used in evaluating options for other residential programs. This project demonstrates not only low initial investment but also low operating and maintenance cost.

PROGRESS

The structures were completed in 1994. Due to project delays monitoring equipment was not installed during 1994. TEP is working with the Urban League to expedite the necessary installations. Results will be reviewed with the ACC Staff when completed.

ANALYSIS AND RESULTS

In 1995, TEP will analyze the load research data from the Desert Home to evaluate the peak and energy effects of the shell measures, passive solar design and advance evaporative coolers.

Tucson Water - Tucson Electric Power Co. Power Exchange

PROJECT DESCRIPTION
In October of 1990, Tucson Water started investigating the possibilities of placing hydroelectric generators at various points in their water distribution system. These units would be at the pressure reducing sites on the new CAP Transmission Mains where they enter the existing distribution system. The engineering and consulting firm of Camp, Dresser & McKee (CDM) has recommended six sites throughout the distribution system.

OBJECTIVE
The power exchange agreement will serve the interests of TEP, Tucson Water and the customers of both entities by providing a renewable energy source to produce electricity. It will supply TEP with additional capacity during peak hours and help Tucson Water reduce their operating expenses and utilize a clean energy source that would otherwise be lost. Currently there will be no revenue stream to Tucson Water, only a credit to their monthly electric bill.

PROGRESS
There are eleven planned sites with the first scheduled to go on-line in the summer of 1995. The remaining units currently are planned to be installed over a five year period beginning in 1995. The total capacity will be approximately 4.2 MW and produce approximately 24.0 GWh per year.

Due to problems associated with the Central Arizona Project(CAP) the Tucson Water - Tucson Electric Power Co. Power Exchange has been placed on hold. While the agreement is still in place no further action will be taken until all CAP problems in Tucson are corrected.

ANALYSIS AND RESULTS
TEP will analyze the data from the power exchange to evaluate the effectiveness of power exchange agreements.

DSM EXPENDITURES
1994

ITEM A 8

SECTION 6

Summary of All DSM Programs

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$239,625	$223,775	$399,554	$1,045,034	$1,907,988	$4,082,852
Incentives	$88,051	$180,223	$355,893	$727,513	$1,351,680	$4,073,211
Monitoring	$7,305	$39,735	$36,192	$7,131	$90,363	$161,676
Total	$334,981	$443,733	$791,640	$1,779,678	$3,350,031	$8,317,739

Pre-approved DSM Programs

PROJECT: Pilot Commercial & Industrial Lighting Efficiency Program
APPROVED: Feb-92
IMPLEMENTED: Apr-92

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Admin	$16,501	$18,123	$175,989	$245,779	$456,392	$1,472,201
Incentives	$26,724	$23,555	$105,293	$532,773	$688,345	$2,261,436
Monitoring	$1,181	$25,719	$16,979	$1,997	$45,876	$71,143
Total	$44,406	$67,397	$298,262	$780,549	$1,190,613	$3,804,780

PROJECT: Commercial High Efficiency Motors Program
APPROVED: Jun-93
IMPLEMENTED: Jun-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$8,259	$1,896	$6,943	$6,355	$23,453	$87,699
Incentives	$237	$361	$140	$13,510	$14,248	$15,649
Monitoring	$1,653	$0	$1,763	$3,526	$6,942	$18,445
Total	$10,148	$2,256	$8,847	$23,391	$44,643	$121,794

PROGRAM: Pilot Step-By-Step Home Energy Analysis Program
APPROVED: Jul-92
IMPLEMENTED: Jul-92

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$65,761	$30,899	$54,134	$63,006	$213,799	$507,834
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$631	$3,767	$900	$100	$5,398	$23,426
Total	$66,392	$34,665	$55,034	$63,106	$219,197	$531,260

* Administration includes labor and material costs associated with both the Type I and Type II audits.

PROGRAM: Trees Program
APPROVED: Dec-92
IMPLEMENTED: Dec-92

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$18,835	$44,736	$13,036	$54,710	$131,317	$351,793
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$601	$2,020	$72	$117	$2,809	$3,628
Total	$19,436	$46,756	$13,108	$54,827	$134,127	$355,421

* A portion of the Administration expenses went to Trees for Tucson to support their administrative cost.

PROGRAM: School Education
APPROVED: Mar-93
IMPLEMENTED: Mar-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$10,027	$1,813	$11,629	$43,290	$66,759	$106,759
Incentives	$0	$0	$0	$0	$0	$31
Monitoring	$480	$260	$4,807	$0	$5,547	$6,082
Total	$10,507	$2,073	$16,436	$43,290	$72,305	$112,872

• This is a general Education Program account that supports Energy Patrol, In Concert with the Environment, Insulation
Station and Growing Greener Cities. All costs pertaining to specific Education programs are shown seperately.

PROGRAM: Energy Patrol (School Education)
APPROVED: Mar-93
IMPLEMENTED: Mar-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$1,408	$2,535	$200	$1,630	$5,773	$8,255
Incentives	$0	$757	$0	$0	$757	$795
Monitoring	$0	$0	$0	$0	$0	$0
Total	$1,408	$3,292	$200	$1,630	$6,530	$9,051

PROGRAM: Growing Greener Cities (School Education)
APPROVED: Mar-93
IMPLEMENTED: Mar-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$0	$206	$194	$1,563	$1,963	$26,008
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$0	$513	$5,993	$1,717	$8,223	$8,223
Total	$0	$719	$6,187	$3,280	$10,186	$34,231

* Administration includes the purchase of classroom materials, the Growing Greener City workbooks and teacher workshops.

PROGRAM: In Concert With The Environment (School Education)
APPROVED: Mar-93
IMPLEMENTED: Mar-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$17,943	$3,956	$1,423	$4,232	$27,554	$79,291
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$0	$0	$0	$0	$0	$0
Total	$17,943	$3,956	$1,423	$4,232	$27,554	$79,291

* Administration includes the program's annual software license cost.

PROGRAM: Insulation Station (School Education)
APPROVED: Mar-93
IMPLEMENTED: Mar-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$50	$0	$0	$286	$336	$44,375
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$0	$0	$0	$0	$0	$0
Total	$50	$0	$0	$286	$336	$44,375

* Administration includes the student material cost.

PROJECT: Tucson Urban League's Desert Home
APPROVED: Jun-93
IMPLEMENTED: Jun-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$0	$0	$0	$283	$283	$2,372
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$0	$0	$1,894	$0	$1,894	$11,665
Total	$0	$0	$1,894	$283	$2,177	$14,037

* Monitoring includes the evaporative cooler and monitoring equipment.

PROGRAM: Low Income Weatherization
APPROVED: Sep-93
IMPLEMENTED: Jan-94

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$7,216	$26,017	$21,339	$47,368	$101,940	$123,852
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$0	$100	$0	$0	$100	$627
Total	$7,216	$26,117	$21,339	$47,368	$102,040	$124,480

* The $20,913 in Administration icludes a $12,000 payment to the Tucson Urban League to cover administration
expenses for the first quarter of 1994 that was paid in 1993.

PROJECT: High Efficiency Chillers
APPROVED: Jul-92
IMPLEMENTED: Jul-92

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$0	$0	$0	$171	$171	$372
Incentives	$0	$0	$0	$0	$0	$30,000
Monitoring	$1,420	$0	$0	$0	$1,420	$3,986
Total	$1,420	$0	$0	$171	$1,591	$34,358

PROJECT: Smart Controls and Strategies for Building Energy Systems
APPROVED: Jun-93
IMPLEMENTED: Mar-93

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$4,636	$16,192	$24,128	$42,112	$87,069	$94,078
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$0	$467	$316	$0	$783	$981
Total	$4,636	$16,659	$24,444	$42,112	$87,852	$95,059

* Administration includes the payment to the University of Arizona to conduct this study.

PROGRAM: Commercial & Industrial High Efficiency Cooling
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$15,966	$19,670	$17,647	$33,399	$86,683	$145,665
Incentives	$6,570	$0	$3,163	$1,014	$10,747	$10,747
Monitoring	($10)	$5,021	$3,469	($325)	$8,155	$9,502
Total	$22,527	$24,691	$24,280	$34,088	$105,586	$165,914

PROGRAM: Commercial Energy Audit
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$48,545	$33,798	$26,573	$39,039	$147,954	$250,335
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$380	$1,200	$0	$0	$1,580	$2,331
Total	$48,925	$34,998	$26,573	$39,039	$149,534	$252,665

* Administration includes the program software cost.

PROGRAM: Residential New Home Construction
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$19,683	$16,915	$37,750	$374,470	$448,817	$511,269
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$96	$0	$0	$0	$96	$96
Total	$19,779	$16,915	$37,750	$374,470	$448,914	$511,365

Summary of Pre-approved DSM Programs

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$234,831	$216,757	$390,985	$957,693	$1,800,265	$3,812,158
Incentives	$33,531	$24,673	$108,597	$547,297	$714,097	$2,318,659
Monitoring	$6,433	$39,066	$36,192	$7,131	$88,823	$160,136
Total	$274,795	$280,495	$535,774	$1,512,121	$2,603,185	$6,290,952

Other DSM Programs

PROGRAM: **Residential Rebate Program-General**
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$2,062	$294	$87	$793	$3,237	$15,385
Incentives	$0	$105	$0	$0	$105	$69,036
Monitoring	$871	$0	$0	$0	$871	$871
Total	$2,933	$399	$87	$793	$4,213	$85,292

* This is a general Rebate Program account that supports AC, Heat Pump, Evap, Solar waterheater and Heat recovery units. All costs pertaining to specific appliances are shown below.

PROGRAM: **Residential Rebate Program - Air Conditioning**
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$1,420	$3,483	$4,663	$66,826	$76,392	$165,919
Incentives	$40,450	$126,386	$198,751	$150,294	$515,882	$1,174,431
Monitoring	$0	$669	$0	$0	$669	$669
Total	$41,871	$130,538	$203,414	$217,120	$592,943	$1,341,019

PROGRAM: **Residential Rebate Program - Heat Pump**
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$1,305	$2,343	$3,669	$18,444	$25,760	$77,631
Incentives	$13,970	$28,822	$48,045	$29,922	$120,759	$505,848
Monitoring	$0	$0	$0	$0	$0	$0
Total	$15,275	$31,165	$51,713	$48,366	$146,519	$583,479

PROGRAM: Residential Rebate Program - Evaporative Cooler
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$0	$0	$0	$17	$17	$4,618
Incentives	$0	$138	$0	$0	$138	$2,737
Monitoring	$0	$0	$0	$0	$0	$0
Total	$0	$138	$0	$17	$154	$7,355

PROGRAM: Residential Rebate Program - Solar Water Heater
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$7	$898	$15	$195	$1,115	$2,665
Incentives	$100	$100	$500	$0	$700	$2,400
Monitoring	$0	$0	$0	$0	$0	$0
Total	$107	$998	$515	$195	$1,815	$5,065

PROGRAM: Residential Rebate Program - Heat Recovery Unit
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$0	$0	$0	$0	$0	$8
Incentives	$0	$0	$0	$0	$0	$100
Monitoring	$0	$0	$0	$0	$0	$0
Total	$0	$0	$0	$0	$0	$108

New DSM Programs Under Development

PROGRAM: Commercial New Construction
APPROVED:
IMPLEMENTED:

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$0	$0	$135	$1,066	$1,201	$4,469
Incentives	$0	$0	$0	$0	$0	$0
Monitoring	$0	$0	$0	$0	$0	$0
Total	$0	$0	$135	$1,066	$1,201	$4,469

Summary of All DSM Programs

Category	1st qtr	2nd qtr	3rd qtr	4th qtr	1994 Total	PTD
Administration	$4,795	$7,018	$8,569	$87,341	$107,723	$270,694
Incentives	$54,520	$155,551	$247,296	$180,216	$637,583	$1,754,552
Monitoring	$871	$669	$0	$0	$1,540	$1,540
Total	$60,186	$163,238	$255,865	$267,557	$746,846	$2,026,786

AVERAGE ANNUAL PRICES
(CENTS PER KILOWATT HOUR)
1994

ITEM A 9

RESIDENTIAL	9.28
COMMERCIAL	10.73
INDUSTRIAL *	6.44
PUBLIC AUTHORITY	7.32
TOTAL	**8.23**

NOTE: Data includes the effects of unbilled revenues and unbilled kilowatt hours
* Includes mining

INSTALLATION DATE AND AVERAGE LIFE FOR MAJOR FACILITIES IN SERVICE 1994

Items B 1(a) - B 1(b)

Location	Date Installed	Estimated Average Life or Retirement Year
Production Plant - Steam		
Accounts 311, 312, 314, 315 & 316		
Irvington Unit 1	1958	N/A
Irvington Unit 2	1960	N/A
Irvington Unit 3	1962	N/A
Irvington Unit 4	1967	N/A
Four Corners Unit 4	12/31/69	N/A
Four Corners Unit 5	12/31/70	N/A
Four Corners Unit 4-Environmental	12/31/80	N/A
Four Corners Unit 5-Environmental	12/31/80	N/A
San Juan Unit 1	12/31/76	N/A
San Juan Unit 2	11/30/73	N/A
San Juan SO2 Unit 1	06/30/78	N/A
San Juan SO2 Unit 2	06/30/78	N/A
Navajo Unit 1	05/31/74	N/A
Navajo Unit 2	03/31/75	N/A
Navajo Unit 3	04/30/76	N/A
Springerville 1	06/01/85	N/A
Springerville 2	06/04/90	N/A
Production Plant - Other (Gas Turbines)		
Accounts 341, 342, 344, 345, and 346		
Irvington Units 1 and 2	1972	N/A
North Loop Units 1, 2, and 3	1972	N/A
Production Plant - (Other Leased Gas Turbines Improvements)		
Accounts 341, 342, 343, 344, 345 and 346		
DeMoss Petrie Unit 1	1974	N/A
Irvington Unit 3	1974	N/A
North Loop Unit 4	1974	N/A

NOTES: N/A indicates that the average life or retirement year is beyond the planning horizon.

CONTRACT PERIODS
1994

Item B 1(b)

NO NEW CONTRACTS WERE PURCHASED FROM JANUARY - DECEMBER 1994

FOR EACH GENERATING UNIT AND PURCHASE POWER CONTRACT

1994

ITEM B 1(c)
ITEM B 1(d)
ITEM B 1(e)
ITEM B 1(f)
ITEM B 1(h)
ITEM B 1(j)
ITEM B 1(l)

The following information contains:

Capacity in Megawatts (Utility share)

Maximum Unit or Contract Capacity by Hour, Day, or Month, if such Capacity Varies over the year

Generating Units: forced outage rate

Generating Units: average heat rate, at selected output levels if available

Generating Units: other variable O&M costs ($/MWh)

Generating Units: Fixed O&M costs ($/MWh)

Generating Units: fuel type(s)

1994 SUPPLY SIDE DATA

ITEM B 1(c-f) - ITEM B 1(h) - ITEM B 1(j&l)

Units	Item B 1(c) Capacity (MW)	Item B 1(d) Max. Capacity (MW)	Item B 1(e) Forced Outage (%) (2)	Item B 1(f) Heat Rate	Item B 1(h) and Item B 1(j) O&M (K$)	Item B 1(l) Fuel Type
Four Corners 4	55	55	6.9	9,569	FC 4 & 5 = 3,560	Coal
Four Corners 5	55	55	9.6	9,550		Coal
Navajo 1	56	56	1.0	9,888	Nav 1,2,& 3 = 5,043	Coal
Navajo 2	56	56	2.9	9,894		Coal
Navajo 3	56	56	2.3	9,895		Coal
San Juan 1	158	158	5.0	11,153	SJ 1 & 2 = 13,509	Coal
San Juan 2	156	156	4.8	11,224		Coal
Irvington 1	81	81	4.9	11,897		Gas/Oil
Irvington 2	81	81	0.5	11,922		Gas/Oil
Irvington 3	105	105	0.0	13,627	Irv 1,2, 3, & 4 = 21,308	Gas/Oil
Irvington 4	156 (1)	156 (1)	0.2	11,236		Coal/Gas/Oil
Irvington CT1	24	24		15,000		Gas/Oil
Irvington CT2	24	24		15,000		Gas/Oil
Irvington CT3	25	25		15,000	ICT 1,2, & 3 = 358	Gas/Oil
DeMoss Petrie CT	47	47	13.0	14,482	DMPCT = 687	Gas/Oil
N. Loop CT1	25	25		15,000		Gas/Oil
N. Loop CT2	25	25		15,000		Gas/Oil
N. Loop CT3	23	23		15,000		Gas/Oil
N. Loop CT4	24	24		15,000	NLCT 1,2,3 & 4 = 351	Gas/Oil
Springerville 1	360	360	18.4	9,066	Springerville 1 = 57,099	Coal
Springerville 2	360	360	0.2	9,070	Springerville 2 = 20,106	Coal

CONTINUED

Note: (1) - Reflects operation on gas only. This unit is primarily coal-fired, with a 110 MW rated capacity and 50 MW minimum.

Note: (2) - Forced Outage Rate was calculated per equation:
FOR = [FOH/(PH - PMH - MOH]

Where:

FOH	-	Forced Outage Hours
PH	-	Period Hours
PMH	-	Planned Maintenance Hours
MOH	-	Maintenance Outage Hours

FOR EACH GENERATING UNIT AND PURCHASE POWER CONTRACT

1994

ITEM B 1(m)
ITEM B 1(n)
ITEM B 1(o)

ITEM B 2(b)

The following information contains:

Minimum Capacity at which the unit would be run or power must be purchased

Whether, Under Standard Operating Procedures, the Generating Unit must be run if it is available to Run

Generating Units: maintenance schedules

Production Cost

1994 SUPPLY SIDE DATA

ITEM B 1(m-o) & ITEM B 2(b)

Units	Item B 1(m) Capacity (MW)	Item B 1(n) Unit Type (MW) (5)	Item B 1(o) Maintenance Schedule	Item B 2(b) Production Cost K$ (4)
Four Corners 4	14	Must Run	02/12-04/07	4,404
Four Corners 5	14	Must Run	10/21-11/06	4,734
Navajo 1	30	Must Run	05/13-05/16	5,230
Navajo 2	30	Must Run	01/28-04/05 & 5/20-05/23	4,151
Navajo 3	30	Must Run	04/08-04/27	4,895
San Juan 1	75	Must Run	04/08-0427	16,481
San Juan 2	75	Must Run	01/07-01/09	21,176
Irvington 1	15	Economic	01/26-05/10 & 12/03-12/17	2,199
Irvington 2	15	Economic	01/06-06/15	1,504
Irvington 3	20	Economic		0
Irvington 4	25 (1)	Must Run	10/14-11/17	15,499
Irvington CT1	24	Economic		22
Irvington CT2	24	Economic		13
Irvington CT3	25	Economic		17
DeMoss Petrie CT	47	Economic		143
N. Loop CT1	25	Economic		20
N. Loop CT2	24	Economic		6
N. Loop CT3	23	Economic		47
N. Loop CT4	24	Economic		31
Springerville 1	120	Must Run		62,005
Springerville 2	120	Must Run	04/02-04/25	72,262

Note (4) Production Cost includes fuel only.

Note (5) Gas-fired units are committed to operation when required to meet load obligations. Coal-fired units are generally connected to the system except for maintenance periods. All units are dispatched economically

TUCSON ELECTRIC POWER COMPANY
FUEL COST BY GENERATING UNIT
1994 $/MMBTU

ITEM B 1(g)

	GAS	OIL	COAL
IRVINGTON STEAM			
Unit 1	$1.8684	$ 5.52	N/A
Unit 2	$1.8684	$ 5.52	N/A
Unit 3	$1.8684	$0.0000	N/A
Unit 4	$1.8684	$0.0000	$2.0893
FOUR CORNERS STEAM (2)			
Unit 4	$2.81	N/A	$1.1705
Unit 5	$2.81	N/A	$1.1705
SAN JUAN STEAM (3)			
Unit 1	N/A	$4.84	$1.7104
Unit 2	N/A	$4.84	$1.7104
NAVAJO STEAM (4)			
Unit 1	N/A	$4.68	$1.0149
Unit 2	N/A	$4.68	$1.0149
Unit 3	N/A	$4.68	$1.0149
SPRINGERVILLE STEAM (5)			
Unit 1	N/A	$4.38	$1.6171
Unit 2	N/A	$4.38	$1.6171
DEMOSS PETRIE GAS TURBINE			
Unit 1	$2.4800	$0.0000	N/A
IRVINGTON GAS TURBINE			
Unit 1	$1.8684	$0.0000	N/A
Unit 2	$1.8684	$0.0000	N/A
Unit 3	$1.8684	$0.0000	N/A
NORTH LOOP GAS TURBINE			
Unit 1	$2.3900	$0.0000	N/A
Unit 2	$2.3900	$0.0000	N/A
Unit 3	$2.3900	$0.0000	N/A
Unit 4	$2.3900	$0.0000	N/A

TUCSON ELECTRIC POWER COMPANY
FUEL COST BY GENERATING UNIT
1994 $/mmbtu

ITEM B 1(g)

(Continued)

Notes:

N/A Indicates unit unable to burn that type fuel.

(1) TEP owns 7% of Four Corners 4 & 5. The gas data is stabilization fuel only.

(2) TEP owns 50% of San Juan 1 & 2. The oil data is stabilization fuel only.

(3) TEP owns 7.5% of Navajo 1, 2 & 3. The oil data is stabilization fuel only.

(4) The oil data is stabilization and start-up fuel only.

PURCHASED POWER ENERGY COSTS
AND DEMAND COSTS

1994

ITEM B 1(i) & B 1(k)

No purchased power in 1994.

SUPPLY SIDE DATA
1994

ITEM B 2(a),(c),(d),(e)

Item B 2(a)	All coal-fired units are committed when available and dispatched on economics.
Item B 2(c)	Operating Reserves are Spinning Reserves plus Ready Reserves. TEP's Ready Reserve requirement is approximately 16-58 MW and is met by combustion turbines.
Item B 2(d)	TEP's spinning reserve requirement for 1994 was on the average 70 MW.
Item B 2(e)	For resource planning purposes TEP employs the WSCC criteria of largest Single Hazard plus 5% of Load Responsibility. Information pertaining to the reliability of TEP's generation can also be found in Item B 1(e). Information pertaining to the reliability of TEP's transmission and distribution system is contained in the following pages.

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Saguaro - Tortolita 500 kV Line 501	16-Mar-94 Wed	8:13:00	18:50:00	0 D 10 H 37 M 00 S	OOS for Doble test 600 MVA XFRM Tort.		
	Saguaro - Tortolita 500 kV Line 501	18-Oct-94 Tue				HH helicopter patrol this date, found in good condition.	N/A	
	Coronado - Springerville 345kV Line 311	22-Mar-94 Tue				HH helicopter patrol, check OK.	N/A	
	Coronado - Springerville 345kV Line 311	24-Apr-94 Sun	21:45:52	0:03:00	0 D 2 H 18 M 00 S	Storm in area, lightning strike, insulator damaged on 500kV bus.	Storm/lightning	
	Coronado - Springerville 345kV Line 311	25-Apr-94 Mon	9:51	23:23	0 D 13 H 32 M 00 S	Line taken OOS for maintenance (Insulator 500kV bus 4/24/94 ??).		
	Coronado - Springerville 345kV Line 311	19-Oct-94 Wed				Helicopter patrol this date, infrared at 81 degree F, all dead ends, sleeves & connectors checked below 81 degree F.	N/A	
	Greenlee - Vail 345kV Line 303	10-Jan-94 Mon	12:07:00	17:26:00	0 D 5 H 40 M 00 S	OOS for CCVT test, found BØ on Greenlee/Vail tap bad, ran 3Ø potential from "B" bus to pick up relaying, Carrier and secondary statics Gre/Vail OOS, recloser OOS both ends, if line relays: close at Greenlee, parallel at Vail.		
	Greenlee - Vail 345kV Line 303	12-Jan-94 Wed	8:08:00	13:48:00	0 D 5 H 40 M 00 S	Line OOS for new CCVT. Greenlee - Hidalgo also taken out for maintenance (EPE) from 10:08 to 17:05.		
	Greenlee - Vail 345kV Line 303	12-Jan-94 Wed	17:30:00	21:12:00	0 D 1 H 11 M 00 S	OOS to install new CCVT BØ.		
	Greenlee - Vail 345kV Line 303	13-Jan-94 Thu	8:45:00	9:56:00	0 D 1 H 11 M 00 S	Opened for CCVT calibration.		
	Greenlee - Vail 345kV Line 303	23-Mar-94 Wed				HH helicopter patrol, check OK.	N/A	
	Greenlee - Vail 345kV Line 303	19-Jun-94 Sun	21:57:00	22:00:00	0 D 0 H 03 M 00 S	Storm in area. Auto reclosed at Greenlee, Supervisory closed at Vail.	Storm	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Greenlee - Vail 345kV Line 303	22-Jun-94 Wed	5:25:00	5:27:00	0 D 0 H 02 M 00 S	Auto reclose @ Greenlee, Supy close at Vail.	Cloudy	
	Greenlee - Vail 345kV Line 303	23-Jun-94 Thu				Patrolled by HAP betwn tower A551 and A488, no major findings, 9 bird nest, broken bell tower A510.		
	Greenlee - Vail 345kV Line 303	26-Aug-94 Fri	5:48:00		Auto Reclosed		Not Reported	
	Greenlee - Vail 345kV Line 303	20-Oct-94 Thu				Helicopter patrol this date, infrared at 81 degree F, all dead ends, sleeves & connectors checked below 81 degree F.	N/A	
	Greenlee - Vail 345kV Line 303	8-Nov-94 Tue	8:12:00	20:40:00	0 D 12 H 28 M 00 S	Line taken OOS for switch repair VL 312 L1.	NA	
	Greenlee - Vail 345kV Line 303	30-Dec-94 Fri	3:14:25	3:14:37	Auto Reclose 12 Seconds		Snow storm in area per PCM Report	
	Mckinley - Springerville #1 345kV Line 302	23-Mar-94 Wed				HH helicopter patrol, check OK.	N/A	
	Mckinley - Springerville #1 345kV Line 302	20-Apr-94 Wed	10:20:00	11:54:00	0 D 1 H 34 M 00 S	Line taken OOS to wash reactor #2.		
	Mckinley - Springerville #1 345kV Line 302	13-Jul-94 Wed				HAP patrolled, bird nests in ZF7, ZF13, ZF83, ZF86.	N/A	
	Mckinley - Springerville #1 345kV Line 302	14-Jul-94 Thu				HAP patrolled, bird nest in ZF137, ZF 145, ZF148, ZF157, ZF158, Zf163, ZF170, ZF174.	N/A	
	Mckinley - Springerville #1 345kV Line 302	24-Aug-94 Wed	3:53:52	3:54:03	0 D 0 H 00 M 11 S	Auto reclose 11 seconds.	Not Reported	
	Mckinley - Springerville #1 345kV Line 302	13-Oct-94 Thu				HAP, while patrolling section of McKinley-Springerville #2 found bird nest in tower ZF 104 on this line.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Mckinley - Springerville #1 345kV Line 302	20-Oct-94 Thu				Helicopter patrol this date, infrared at 81 degree F, all dead ends, sleeves & connectors checked below 81 degree F. Tower ZN 111 earth cracking, civil notified, big cracks. Tower is 14.25 miles from McKinley Sub.	N/A	
	Mckinley - Springerville #1 345kV Line 302	17-Dec-94 Sat	7:26:00	18:55:00	0 D 11 H 29 M 00 S	Line taken OOS for contractor digging foundations for new tower replacing ZN111.	N/A	
	Mckinley - Springerville #1 345kV Line 302	18-Dec-94 Sun	7:13:00	17:05:00	0 D 9 H 52 M 00 S	Line taken OOS for contractor digging foundations for new tower replacing ZN111.	N/A	
	Mckinley - Springerville #2 345kV Line 308	22-Mar-94 Tue				HH helicopter patrol, check OK.	N/A	
	Mckinley - Springerville #2 345kV Line 308	17-Apr-94 Sun	2:09:56	8:24:00	0 D 6 H 14 M 04 S	Reactor bushing failed at McKinley.	Clear	
	Mckinley - Springerville #2 345kV Line 308	18-Apr-94 Mon	7:54:00	8:57:00	0 D 1 H 03 M 00 S	Working in reactor compartment due to burnt wiring, accidently picked up reactor differential relay, 08:55 reactor differential trip links were opened.	Clear	
	Mckinley - Springerville #2 345kV Line 308	2-Jun-94 Thu	23:10:00		Auto reclosed		Clear	
	Mckinley - Springerville #2 345kV Line 308	2-Jul-94 Sat	12:28:34	12:28:46	0 D 0 H 00 M 12 S	Auto reclose 12 seconds.	Partly Cloudy & Breezy	
	Mckinley - Springerville #2 345kV Line 308	2-Jul-94 Sat	12:30:51	12:32:02	0 D 0 H 01 M 11 S	Closed SP 340 C @ Springerville to button up bus, 78-2 picked up @ SP tripping SP 342 C, 340 never closed, line open ended. SP 340 C closed @ 12:32:02 paralleling line.	Partly Cloudy & Breezy	
	Mckinley - Springerville #2 345kV Line 308	2-Jul-94 Sat	12:33:46	12:34:06	0 D 0 H 00 M 20 S	Closed SP 340 C @ Springerville to button up bus, 78-2 picked up @ SP tripping SP 342 C, 340 never closed, line open ended. SP 340 C closed @ 12:34:06 paralleling line. SP 340 C was closed via Supy @ 13:32:05 to complete bus make up.	Partly Cloudy & Breezy	
	Mckinley - Springerville #2 345kV Line 308	7-Jul-94 Thu	3:50:48	3:50:58	0 D 0 H 00 M 10 S	Auto reclosed 10 seconds, unknown.	Clear	
	Mckinley - Springerville #2 345kV Line 308	13-Jul-94 Wed				HAP patrolled from towers 201 thru 326, bird nests in 205, 265, 273, 290, 292.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Mckinley - Springerville #2 345kV Line 308	14-Jul-94 Thu				HAP patrolled from towers 357 to 417, birds nests in 387 & 406. Tower 360 erosion on south side of anchor C1 & B1, dirt work completed 10/28/94.	N/A	
	Mckinley - Springerville #2 345kV Line 308	7-Oct-94 Fri	6:04:13	6:04:24	0 D 0 H 00 M 11 S	Auto reclose 11 seconds CPU time.	Per SP: PC & cool, no wind	
	Mckinley - Springerville #2 345kV Line 308	13-Oct-94 Thu				Section of circuit patrolled by HAP, structures 326 through 371, fault range las trip, found bird nest structures 329, 331, 337, 344, 347.	N/A	
	Mckinley - Springerville #2 345kV Line 308	19-Oct-94 Wed				Helicopter patrol this date, infrared at 81 degree F, all dead ends, sleeves & connectors checked below 81 degree F.	N/A	
	Mckinley Reactor	17-Apr-94 Sun	4/17/94 2:09	6/16/94 14:00	29 D 11 H 50 M 04 S	Reactor bushing failed at McKinley.		
	PCB MC 310 C	5-Jan-94 Wed	23:02:00	16:05:00	0 D 17 H 03 M 00 S	Tripped to low gas.		
	San Juan - McKinley #1 345kV Line 301	23-Mar-94 Wed				HH helicopter patrol, check OK.	N/A	
	San Juan - McKinley #1 345kV Line 301	3-Apr-94 Sun	0:07:56	0:08:14	Auto Reclose 18 Seconds	PNM patrolled and found bird nest falling apart on N179 (No. 1 line), other bird nest were found, all nests on the No. 1 line, some nest were active with ravens and 1 eagle, nests N164, 171, 179, 197, 203, 211, & 219. (Tower range N159 thru N205)	Clear	
	San Juan - McKinley #1 345kV Line 301	12-Jul-94 Tue				HAP patrolled, bird nests in towers N108. N126, N133, N134, N219, N223, N228.	N/A	
	San Juan - McKinley #1 345kV Line 301	15-Sep-94 Thu	22:38:28	22:38:44	0 D 0 H 00 M 16 S	Relayed, auto reclosed 16 seconds, unknown. (Tower range N210 thru N254)	Not Known	
	San Juan - McKinley #1 345kV Line 301	27-Sep-94 Tue				Patrolled by HAP from towers N210 - N254 (fault range for trip 9/15/94), found various nests and bird droppings, prairie dog town between towers N238 & N239.	N/A	
	San Juan - McKinley #1 345kV Line 301	20-Oct-94 Thu				Helicopter patrol this date, bird nest in towers N171, 177, 178, 183, 191, 197, 210, 213, 223, 232, 240, 244, 247, 253, 256, 259, 263, 265, 267, 271, 273, 279, 288, 291, 299, 305, 306, & N311. (9 eagles & 2 hawks on various towers between lines 1 & 2.)	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	San Juan - McKinley #1 345kV Line 301	21-Oct-94 Fri	2:38:20	2:38:38	0:00:18	Auto reclose 18 seconds. (Tower range N137 thru N182)	Clear	
	San Juan - McKinley #2 345kV Line 306	22-Mar-94 Tue				HH helicopter patrol, check OK.	N/A	
	San Juan - McKinley #2 345kV Line 306	10-Jul-94 Sun	0:16:26	0:16:44	0 D 0 H 00 M 18 S	Auto reclosed 18 seconds, unknown. (Tower range 148 thru 188)	Clear	
	San Juan - McKinley #2 345kV Line 306	12-Jul-94 Tue				HAP patrolled from tower 95 to tower 213, bird nests in 103, 123, 127, 128, 151, 157, 194, 197, 205, one (1) eagle was in tower 139.	N/A	
	San Juan - McKinley #2 345kV Line 306	25-Aug-94 Thu	6:44:39	6:44:59	0 D 0 H 00 M 20 S	Auto reclose 20 seconds. SEL not available. SJ Power Plant reports weather clear. (Tower range 226 thru 266)	Clear	
	San Juan - McKinley #2 345kV Line 306	13-Sep-94 Tue	8:33:00	8:40:00	0 D 0 H 07 M 00 S	OOS checking switch MC 321 X1, linkage problem.		
	San Juan - McKinley #2 345kV Line 306	29-Sep-94 Thu	4:52:00	8:58:00	0 D 4 H 06 M 00 S	Line taken OOS to repair switch.	NA	
	San Juan - McKinley #2 345kV Line 306	19-Oct-94 Wed				Helicopter patrol this date, bird nest in towers 135, 177, 180, 190, 200, 211, 212, 218, 229, 230, 234, 237, 253, 254, 290, 299. (9 eagles & 2 hawks on various towers between lines 1 & 2.)	N/A	
	San Juan - McKinley #2 345kV Line 306	27-Oct-94 Thu	6:02:21	6:02:39	0 D 0 H 00 M 18 S	Tripped, auto reclosed 18 CPU seconds, PNM reported weather clear with high clouds.	Clear	
	Springerville - Greenlee 345kV line 307	25-Jan-94 Tue	8:30:00	10:01:00	0 D 1 H 31 M 00 S	OOS to calibrate CCVTs.		
	Springerville - Greenlee 345kV line 307	19-May-94 Thu	12:32:00	22:11:00	0 D 9 H 39 M 00 S	Static wire down on the arm tower #9, SEL recording 2.55 miles from Spring. Winds 40 to 50 MPH.	Clear/Windy 40-50 MPH	
	Springerville - Greenlee 345kV line 307	12-Oct-94 Wed	7:58:00	10:50:00	0 D 2 H 52 M 00 S	Line taken OOS to repair switch GL 331 L.	NA	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Springerville - Greenlee 345KV line 307	20-Oct-94 Thu				Helicopter patrol this date, infrared at 81 degree F, all dead ends, sleeves & connectors checked below 81 degree F.	N/A	
	Springerville - Vail 345kV Line 309	31-Jan-94 Mon				HH patrol, broken bells tower 939, fixed by Perez 2/4/94, Priority "C".	N/A	
	Springerville - Vail 345kV Line 309	22-Mar-94 Tue				HH patrol, 4 broken bells tower 662, routine work.	N/A	
	Springerville - Vail 345kV Line 309	22-Mar-94 Tue				HH helicopter patrol, check OK.	N/A	
	Springerville - Vail 345kV Line 309	3-May-94 Tue	1:58:59		Auto Reclose (11 seconds supy time)		Clear	
	Springerville - Vail 345kV Line 309	25-May-94 Wed	10:07:00	13:43	0 D 3 H 36 M 00 S	Line OOS to repair SV300L at Greenlee.		
	Springerville - Vail 345kV Line 309	11-Jun-94 Sat	10:57:00	11:03:00	0 D 0 H 06 M 00 S	Line taken OOS to replace transformer case ground.		
	Springerville - Vail 345kV Line 309	17-Aug-94 Wed	16:58:49	16:59:01	0 D 0 H 00 M 12 S	Storm in area, auto reclosed 12 seconds.	Storm	
	Springerville - Vail 345kV Line 309	20-Aug-94 Sat	12:58:12	12:58:24	0 D 0 H 00 M 12 S	Auto reclosed 12 seconds, unknown, Weather in Tucson and Springerville sunny. SEL Vail no answer.	Clear	
	Springerville - Vail 345kV Line 309	25-Aug-94 Thu	14:48:05	14:48:17	0 D 0 H 00 M 12 S	Storm in area, auto reclosed 12 seconds. Single Contingency RAS Reactor at Vail opened, and fast switch caps blue bus at Vail closed. Series Comp by-passed at Vail.	Storm	
	Springerville - Vail 345kV Line 309	2-Sep-94 Fri	14:25:39	14:25:52	0 D 0 H 00 M 13 S	Auto reclose 13 seconds, possible storm cause.	Storm	
	Springerville - Vail 345kV Line 309	15-Sep-94 Thu	15:14:42	15:14:54	0 D 0 H 00 M 12 S	Relayed, auto reclosed 12 seconds, unknown.	Not Known	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Springerville - Vail 345kV Line 309	19-Oct-94 Wed				Helicopter patrol this date, infrared at 81 degree F, all dead ends, sleeves & connectors checked below 81 degree F.	N/A	
	Springerville - Vail 345kV Line 309	19-Oct-94 Wed				HH patrol, 2 broken bells tower 727, routine work.	N/A	
	Springerville - Vail 345kV Line 309	15-Nov-94 Tue	7:22:00	15:42:00	0 D 8 H 20 M 00 S	Springerville - Vail line OOS for T-2 doble test, PCB maint. VL 320 C, switch maint. SP 360 B, SP 362 A and check SP 362 C.	N/A	
	Vail - South 345kV Line 304	5-Jan-94 Wed	8:50:00	10:27:00	0 D 1 H 37 M 00 S	Line OOS for CCVT testing.		
	Vail - South 345kV Line 304	10-Jan-94 Mon				HH patrol, trim pecan trees under towers VS 68, 69 & 70, W/O Nogales Hwy. S/O Pima Mine Rd, E/O Santa Cruz River, prevent ground fault. Completed 2/25/94 by ASPLUNDH.	N/A	
	Vail - South 345kV Line 304	24-Mar-94 Thu				HH helicopter patrol, check OK.	N/A	
	Vail - South 345kV Line 304	18-Oct-94 Tue				Helicopter patrol this date, infrared at 79 degree F, all dead ends, sleeves & connectors checked below 79 degree F.	N/A	
	Vail - South 345kV Line 304	2-Dec-94 Fri				Two broken bells replaced this date, reported 10/2/1991 - HH.	N/A	
	Westwing - South 345kV Line 305	5-Jan-94 Wed	10:48:00	11:30:00	0 D 0 H 42 M 00 S	Line OOS for CCVT testing.		
	Westwing - South 345kV Line 305	3-Feb-94 Thu	7:44:00	12:49:00	0 D 5 H 05 M 00 S	Opened for WW T7 XFRM four (4) year test.		
	Westwing - South 345kV Line 305	24-Mar-94 Thu				HH helicopter patrol, tower 149 fifteen broken bells, Priority "A", fixed 3/28/94. Prevent ground fault.	N/A	
	Westwing - South 345kV Line 305	19-May-94 Thu	7:14:18	7:14:32	Auto Reclose 14 Seconds	Per SEL CØ - Ground trip 138.98 miles from South Loop, approx. Tower 179.	Clear/Windy	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Westwing - South 345kV Line 305	20-May-94 Fri				HH patrol, from tower 135 to 242, line checked OK.	N/A	
	Westwing - South 345kV Line 305	24-Jun-94 Fri	14:52:00	15:40:00	0 D 0 H 48 M 00 S	South Reactor Sudden Pressure, standing relay trip, dispatched crew to site to disable DC tripping relay, reset lockout, line put in service. One winding bad.	Clear	
	Westwing - South 345kV Line 305	28-Jun-94 Tue	7:13:00	7:19:00	0 D 0 H 06 M 00 S	Testing South RAS reactor, didn't work, sudden pressure.	N/A	
	Westwing - South 345kV Line 305	18-Oct-94 Tue				Helicopter patrol this date, infrared at 79 degree F, all dead ends, sleeves & connectors checked below 79 degree F. Tower 112 erosion around west 2 footings, tower 129 erosion around all 4 footings, tower 751 erosion around C-1, B-1.	N/A	
	Westwing - South 345kV Line 305	20-Nov-94 Sun	7:12:24	7:13:26	0 D 0 H 01 M 02 S	False trip, secondary statics only. Bad card at Westwing Secondary Statics.	Clear	
	Westwing - South 345kV Line 305	8-Dec-94 Thu				HH patrol, erosion around two footings on tower 750, south side DD tower N/O Helmet Peak, about 4 feet on each footing.	N/A	
	Westwing - South 345kV Line 305	16-Dec-94 Fri				HH patrol, tower 693, broken bells, see file for details. 39 bells replaced.	N/A	
	Westwing T7 Transformer	3-Feb-94 Thu	7:44:00	12:49:00	0 D 5 H 05 M 00 S	WW T7 XFRM four (4) year test. Westing - South 345 kV line taken OOS for this test.	N/A	
	East Loop - Roberts 138kV Line 113	26-Feb-94 Sat	14:57:00	15:41:00	0 D 0 H 44 M 00 S	Similar to fault December 10th, 1993.	Clear	
	East Loop - Roberts 138kV Line 113	28-Feb-94 Mon	11:00			Patrolled by HAP: Middle & Bottom Ø has burn marks mid-span on Speedway 1st & 2nd steel poles E/O Cam Seco. Person that works 8750 E. Speedway heard loud snapping cracking noise on Saturday.		
	East Loop - Roberts 138kV Line 113	2-Mar-94 Wed				Information retrieved shows that this circuit was patrolled after a fault on March 27th , 1989 and..."discoloration and small tick marks were found on A and B phases two spans east of Camino Seco on Speedway." Per PCM report D113.		
	East Loop - Roberts 138kV Line 113	18-Mar-94 Fri	8:43	12:12	0 D 3 H 29 M 00 S	OOS for maintenance, lower bottom conductor where arc marks are.		

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	East Loop - Roberts 138kV Line 113	7-Apr-94 Thu	10:31:00	11:45:00	0 D 1 H 14 M 00 S	Line taken OOS for relay maintenance.		
	East Loop - Roberts 138kV Line 113	21-Jun-94 Tue	7:50:00	8:37:00	0 D 0 H 47 M 00 S	OOS for relay testing.		
	East Loop - Roberts 138kV Line 113	21-Aug-94 Sun	19:45:00		Instan	False trip, tripped at Roberts end when the Vail - Bicknell faulted due to a pole structure falling right outside of Bicknell Sub during a storm.	Storm	
	East Loop - Roberts 138kV Line 113	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	East Loop - Snyder 138kV Line 126	22-Feb-94 Tue	7:27:00	14:06:00	0 D 6 H 39 M 00 S	Line OOS for contractor setting poles under 138 kV.		
	East Loop - Snyder 138kV Line 126	31-Mar-94 Thu	7:41	15:08	0 D 7 H 27 M 00 S	Line taken OOS for Doble test Snyder T1 XFRM.		
	East Loop - Snyder 138kV Line 126	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	Irvington - 22nd 138kV Line 140	16-May-94 Mon				22nd Street 138 kV sub energized.	N/A	
	Irvington - 22nd 138kV Line 140	29-Dec-94 Thu	0:40:00	1:25:00	0 D 0 H 45 M 00 S	Transformer differential, cat caused. TT to Irvington 138 C 17.	Clear	22nd STREET
	Irvington - Drexel 138kV Line 130	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	Irvington - Santa Cruz 138kV Line 131	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	Irvington - Tucson 138kV Line 111	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Midvale - Drexel 138kV Line 129	11-Sep-94 Sun	0:10:00	6:14:00	0 D 6 H 04 M 00 S	Line OOS for static installation.		
	Midvale - Drexel 138kV Line 129	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	North Loop - De Moss Petrie 138kV Line 110	7-Feb-94 Mon	9:46:00	14:28:00	0 D 4 H 42 M 00 S	Opened at North Loop for OCB inspection, 138-C-160.		
	North Loop - De Moss Petrie 138kV Line 110	17-Mar-94 Thu	13:05:00	15:52:00	0 D 2 H 47 M 00 S	Line opened for Doble test PT 169.		
	North Loop - De Moss Petrie 138kV Line 110	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	North Loop - Rillito 138kV Line 114	14-Feb-94 Mon	11:34:00	15:18:00	0 D 3 H 44 M 00 S	OOS for OCB inspection 138-C-162.		
	North Loop - Rillito 138kV Line 114	15-Aug-94 Mon	19:46:00		Instan	Storm, high winds, Ø slapped together?...A, B - Grd fault.	Storm	
	North Loop - Rillito 138kV Line 114	16-Aug-94 Tue				Patrol by Hap, line found OK.	N/A	
	North Loop - Rillito 138kV Line 114	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	North Loop - Rillito 138kV Line 114	7-Dec-94 Wed				HH patrol, County has lowered Rillito River for bank re-enforcement & bike trails exposing pilings under foundation on 3 steel poles between La Cholla & Cam. De La Tierra, #26, #28 & #29.	N/A	
	North Loop - West Ina 138kV Line 132	14-Feb-94 Mon	7:24:00	11:34:00	0 D 4 H 10 M 00 S	Line OOS for OCB maintenance at North Loop.		
	North Loop - West Ina 138kV Line 132	18-Oct-94 Tue				HH helicopter patrol, line check OK.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	North Loop 138 KV Phase Shifter Bus (Short Bus)	17-Mar-94 Thu	11:17:00	11:18:00	0 D 0 H 01 M 00 S	Tripped while bypassing Ø shifter, on wrong tap.		
	North Loop 138kV "A" Bus	17-Mar-94 Thu	13:15:00	16:23:00	0 D 3 H 08 M 00 S	Section of "A" cleared for Doble test PT 169.		
	Northeast - East Loop 138kV Line 115	11-Sep-94 Sun	15:11:11		Instan	Storm, SEL SP-EL showed BC Ø fault. Spanish Trail Unit 1 auto throw initiated, decrease in approximately 100 MW load after fault (motor lost, etc.).	Storm	SPANISH TRAIL NO. 1
	Northeast - East Loop 138kV Line 115	15-Sep-94 Thu				Line patrolled by HAP, no major findings.	N/A	
	Northeast - East Loop 138kV Line 115	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	Rillito - La Canada 138 kV Line 120	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	Rillito - North East 138kV Line 124	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	Saguaro - Tortolita #1 138kV Line 134	16-Mar-94 Wed	1/1/94		74.34 Days	Line placed in service for Doble test Tort 600 MVA XFRM.	N/A	
	Saguaro - Tortolita #1 138kV Line 134	19-Mar-94 Sat	3/16/94 18:58		2.24 Days	Placed in service, no local generation.	N/A	
	Saguaro - Tortolita #1 138kV Line 134	14-Oct-94 Fri	3/19/94 20:00		208.48 Days	Line placed in service due to no local generation. Taken OOS 10/17/94 09:20, local gen on line (Irvington No. 1).	N/A	
	Saguaro - Tortolita #1 138kV Line 134	18-Oct-94 Tue				HH helicopter patrol, line check OK.	N/A	
	Saguaro - Tortolita #1 138kV Line 134	21-Oct-94 Fri	10/17/94 9:20		4.56 Days	Line placed in service, no local generation, taken off for weekend, load down.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Saguaro - Tortolita #1 138kV Line 134	25-Oct-94 Tue	10/24/94 10:26		1.47 Days	No. 1 line inservice, no local generation, Irvington off line for governor work. Irv No. 2 on line and released @ 14:26.	N/A	
	Saguaro - Tortolita #1 138kV Line 134	27-Oct-94 Thu	10/26/94 14:29		0.66 Days	Placed in service, no local generation, Irvington No. 2 tripped @ 06:24. Irvington No. 2 on line and released 14:08.	Clear	
	Saguaro - Tortolita #1 138kV Line 134	29-Oct-94 Sat	10/27/94 6:24		2.36 Days	Irvington No. 2 came off 21:49 Friday, Oct 28, line placed in service Sat, Oct 29, 15:00 when load became the factor. Irvington on line & released Monday, Oct 31, 06:35, line taken OOS.	Clear	
	Saguaro - Tortolita #1 138kV Line 134	29-Oct-94 Sat	10/31/94 6:35		0.03 Days	Irvington No. 2 tripped, no local generation, tie placed in service. @ 18:55 Irv 2 was released to System Control, 19:08 SAG No. 1 tie opened.	Clear	
	Saguaro - Tortolita #1 138kV Line 134	1-Nov-94 Tue	10/31/94 19:08		0.97 Days	Line placed in service due "runback" on local gen Irv 2. Released for AGC 20:02, 20:05 line OOS.	NA	
	Saguaro - Tortolita #2 138kV Line 133	16-Mar-94 Wed	1/1/94		74.34 Days	Line placed in service for Doble test Tort 600 MVA XFRM.		
	Saguaro - Tortolita #2 138kV Line 133	21-Jun-94 Tue	8:26:00	N/A	N/A	TO 141 C tripped during relay maintenance.		
	Saguaro - Tortolita #2 138kV Line 133	14-Oct-94 Fri	3/16/94 18:58		211.53 Days	Line placed in service due to no local generation. Taken OOS 15:29, city load @ 790 MWs.		
	Saguaro - Tortolita #2 138kV Line 133	18-Oct-94 Tue				HH helicopter patrol, line check OK.	N/A	
	Santa Cruz - De Moss 138kV Line 139	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	Southloop - AS & R 138kV Line 106	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
61	Southloop - Cyprus 138kV (Cyprus 138 C 74)	24-Aug-94 Wed	17:57:00	18:27:00	0 D 0 H 30 M 00 S	Cyprus Sierrita Expansion, 138 C 74 tripped as back up protection. Cyprus North 46 kV OCB was pinned closed due to maintenance and their line faulted, 138 C 74 cleared the fault.	Not Reported	CYPRUS SIERRTIA EXPANSION

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
61	Southloop - Cyprus 138kV (Cyprus 138 C 74)	14-Oct-94 Fri	15:43:00	17:21:00	0 D 1 H 38 M 00 S	138C74 opened per request. Their 46kV North Bkr tripped, their 46kV South Bkr high side bushing was acring to structure. 13.8kV PTs cleared and South Bkr cleaned.	Clear	
61	Southloop - Cyprus 138kV (Cyprus 138 C 74)	1-Nov-94 Tue	8:18:00	14:26:00	0 D 6 H 08 M 00 S	138 C 74 opened for relay work.	NA	
61	Southloop - Cyprus 138kV Cyprus Transformer "C" Unit	14-Mar-94 Mon	8:47:00	15:48:00	3 D 7 H 01 M 00 S	Cyprus Transformer "C" Unit OOS for LTC and OCB maintenance 3/14/94.		
61	Southloop - Cyprus 138kV Line 107	23-Mar-94 Wed				HH helicopter patrol of line, line checked in clear.	N/A	
61	Southloop - Cyprus 138kV Line 107	15-Apr-94 Fri				HH patrol, tower 35, 1 broken dead end bell La Canada & Helnet Peak Rd.	N/A	
61	Southloop - Cyprus 138kV Line 107	12-May-94 Thu				HH patrol of circuit, checked ok.	N/A	
61	Southloop - Cyprus 138kV Line 107	24-Oct-94 Mon				HH helicopter patrol of line, line checked in clear, previously noted broken bell tower 35.	N/A	
61	Southloop - Cyprus 138kV Line 107	11-Nov-94 Fri	17:07:00			Mike Cain dispatched for Cyprus Cap Bank problem also reported 138 kV tracking badly, 6 bells on each Ø, on main H structure that feeds station near 138 C 74.	Raining	
61	Southloop - Cyprus 138kV Line 107	19-Dec-94 Mon				While patrolling HH found broken insulator top Ø on jumper 7th pole and 3 badly broken insulators on 10th pole S/O Canoa Ranch House E/O I-19, on Cyprus 23 kV "Well Feeder", Mr. Finney, Cyprus, notified.	N/A	
	Southloop - Irvington 138kV Line 105	17-Jan-94 Mon	7:21:00	14:54:00	1 D 7 H 33 M 00 S	OOS the 17th for maintenance, in service the 18th, replace "H" structure.		
	Southloop - Irvington 138kV Line 105	8-Mar-94 Tue	7:11:00	13:53:00	0 D 6 H 42 M 00 S	Line taken OOS for contractor digging at Irvington.		
	Southloop - Irvington 138kV Line 105	21-Mar-94 Mon	8:06:00	15:41:00	0 D 7 H 33 M 00 S	Line taken OOS for line work on 138 C 14.		

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Southloop - Irvington 138kV Line 105	28-Mar-94 Mon	7:07	7:22	0 D 0 H 15 M 00 S	Line taken OOS for construction, relocate.		
	Southloop - Irvington 138kV Line 105	28-Mar-94 Mon	8:58:00	14:25:00	3 D 5 H 27 M 00 S	Line taken OOS for construction at Irvington 138kV yard.		
	Southloop - Irvington 138kV Line 105	1-Jun-94 Wed	7:01:00	14:04:00	0 D 7 H 03 M 00 S	Line taken OOS for relay work (SEL installation).		
	Southloop - Irvington 138kV Line 105	6-Jul-94 Wed	6:55:00	9:17:00	0 D 2 H 22 M 00 S	Line OOS for repair of switch SO 151 B.	N/A	
	Southloop - Irvington 138kV Line 105	19-Jul-94 Tue				HH patrol, structure 16 five (5) broken bells in west string, 2 broken bells middle. Structure 20 six (6) BO bells west Ø, 4 BO bells MØ, 4 BO bells EØ. Structure 28 one (1) BO bell east Ø, completed by Perez 7/20/94.	N/A	
	Southloop - Irvington 138kV Line 105	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	Southloop - Midvale 138kV Line 109	10-Sep-94 Sat	9/10/94 22:03	9/11/94 7:05	0 D 9 H 02 M 00 S	Line OOS for static installation.		
	Southloop - Midvale 138kV Line 109	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	Spanish Trail - Roberts 138kV Line 121	3-Jan-94 Mon	7:12:00	16:09:00	0 D 8 H 57 M 00 S	Line OOS for maintenance (replace pole).		
	Spanish Trail - Roberts 138kV Line 121	27-Jan-94 Thu	10:46:00			At Spanish Trail, POTT on PLC OOS, bad transmitter.		
	Spanish Trail - Roberts 138kV Line 121	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	Spanish Trail - Roberts 138kV Line 121	10-Dec-94 Sat	9:16:00	15:12:00	0 D 5 H 56 M 00 S	09:00 Pole hit (138 kV) on Houghton N/O Spanish Trail, 09:05 troubleman reports Fire Dept. needs line de-energized, the car that hit pole is supporting the pole. Line de-energized, work complete and back in service 15:19.	Clear	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Spanish Trail - Roberts 138kV Line 121	19-Dec-94 Mon	7:21:00	12:05:00	0 D 4 H 44 M 00 S	Line taken OOS to replace pole.	N/A	
	Tortolita - North Loop 138kV Line 117	10-Feb-94 Thu	11:14:00	15:00:00	0 D 3 H 46 M 00 S	OOS for OCB inspection 138-C-166.		
	Tortolita - North Loop 138kV Line 117	18-Oct-94 Tue				HH helicopter patrol, line check OK.	N/A	
	Tortolita - North Loop 138kV Line 118	16-Feb-94 Wed	7:31:00	11:21:00	3:50:00	Line taken OOS for OCB maintenance.		
	Tortolita - North Loop 138kV Line 118	27-Feb-94 Sun				No data recorded since database was established January 1, 1992.		
	Tortolita - North Loop 138kV Line 118	18-Oct-94 Tue				HH helicopter patrol, line check OK.	N/A	
	Tortolita - North Loop 138kV Line 125	10-Feb-94 Thu	7:35:00	11:13:00	0 D 3 H 38 M 00 S	OOS for OCB inspection 138-C-163.		
	Tortolita - North Loop 138kV Line 125	22-Feb-94 Tue	9:36:00	16:02:00	0 D 6 H 26 M 00 S	Line opened at North Loop, 138 C 163 will be used as a transfer breaker for OCB maint on 138 C 164.		
	Tortolita - North Loop 138kV Line 125	18-Oct-94 Tue				HH helicopter patrol, line check OK.	N/A	
	Tortolita - North Loop 138kV Line 125	8-Nov-94 Tue	9:21:00	13:28:00	0 D 4 H 07 M 00 S	Line opened for repairs on OCB 138 c 163 (aux contact), in service 13:28.	NA	
	Tucson - West Ina 138kV Line 112	16-Aug-94 Tue	22:45:00	22:48:00	0 D 0 H 03 M 00 S	Storm, unknown. West Ina auto reclosed, Tucson end close by supervisory, the auto recloser at Tucson Station was checked and was in service.	Storm	
	Tucson - West Ina 138kV Line 112	17-Aug-94 Wed				Patrolled by Hap, finding repaired by Perez 8/19, see his report for details.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Tucson - West Ina 138kV Line 112	19-Aug-94 Fri	4:11:00	13:15:00	0 D 9 H 04 M 00 S	Line opened for maintenance.	N/A	
	Tucson - West Ina 138kV Line 112	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	Vail - East Loop 138kV Line 108	14-Feb-94 Mon	13:01:00	13:04:00	0 D 0 H 03 M 00 S	East Loop 138 C 151 tripped, stayed open after 2nd shot, line open ended at East Loop, technician closing door on relay cabinet. Primary statics checked and found loose ground connection.		
	Vail - East Loop 138kV Line 108	15-Jun-94 Wed	17:00:00		Instan	False trip, Tripped at East Loop end only, reclosed - Primary SLD relay. Load approximately 150 MVA.	Clear	
	Vail - East Loop 138kV Line 108	15-Jun-94 Wed	17:23:00		Instan	False trip, Tripped at East Loop end only, reclosed - Primary SLD relay. Load approximately 150 MVA.	Clear	
	Vail - East Loop 138kV Line 108	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
78	Vail - Ft. Huachuca 138kV Line 104	24-Mar-94 Thu				HH helicopter patrol, structure 16 two (2) broken bells south Ø on Andrada Rd W/O Sonoita Hwy, routine work.	N/A	
78	Vail - Ft. Huachuca 138kV Line 104	21-Oct-94 Fri				HH helicopter patrol, line check OK.	N/A	
	Vail - Irvington #1 138kV Line 101	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	Vail - Irvington #2 138kV Line 102	21-Mar-94 Mon	7:54:00	14:45:00	3 D 6 H 51 M 00 S	Line taken OOS 3/21 to swap to new OCB 138 C 14, back in service 3/24.		
	Vail - Irvington #2 138kV Line 102	29-Mar-94 Tue	7:57:00	15:39:00	0 D 7 H 42 M 00 S	Line taken OOS for construction at Irvington 138kV yard.		
	Vail - Irvington #2 138kV Line 102	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Vail - Spanish Trail 138kV Line 103	6-Jan-94 Thu	7:42:00	7:43:00	0 D 0 H 01 M 00 S	Opened ended @ Spanish Trail, 21-2 tripped due to print error.	Clear	
	Vail - Spanish Trail 138kV Line 103	9-Feb-94 Wed	7:48:00	14:36:00	0 D 6 H 48 M 00 S	Re-install jumpers at Spanish Trail.		
	Vail - Spanish Trail 138kV Line 103	15-Feb-94 Tue	7:50:00	9:53:00	0 D 2 H 03 M 00 S	Line OOS to repair switch VL 130 B.		
	Vail - Spanish Trail 138kV Line 103	24-Oct-94 Mon				HH helicopter patrol, line check OK.	N/A	
	46-S-154	20-Jun-94 Mon				HH patrol, replace bad 10' xarms holding lightning arresters on swithces 46-S-154, 155 & 294. Completed 6/21/94 by Perez.	N/A	
	46-S-155	20-Jun-94 Mon				HH patrol, replace bad 10' xarms holding lightning arresters on swithces 46-S-154, 155 & 294. Completed 6/21/94 by Perez.	N/A	
	46-S-161	17-Jan-94 Mon				HH patrol, reground air break switch, resistance test, completed 1/26/94	N/A	
	46-S-191	25-Jan-94 Tue				HH patrol, re-ground 46-S-191, add 15' of 4/0 copper & tie all grounds. Completed by Perez 1/28/94.	N/A	
	46-S-211	17-Jan-94 Mon				HH patrol, reground air break switch, resistance test, completed 1/26/94	N/A	
	46-S-212	2-May-94 Mon				HH patrol Repair 46-S-212, need new blade & contact Adjust sw Completed 5/2/94 by Bishop.	N/A	
	46-S-260	17-Jan-94 Mon				HH patrol, reground air break switch, resistance test, completed 1/26/94	N/A	
	46-S-282	4-May-94 Wed				HH patrol 46-S-282 needs to be adjusted. Completed 5/5/94 by Rogers.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	46-S-294	20-Jun-94 Mon				HH patrol, replace bad 10' xarms holding lightning arresters on swithces 46-S-154, 155 & 294. Completed 6/21/94 by Perez.	N/A	
	46-S-440	2-Mar-94 Wed	12:43:00	14:09:00	0 D 1 H 26 M 00 S	Eagle Pitcher De-energized for switch adjustment (46 S 440).	Clear	
78	Alt.Source Ft. Hua. 46-C-044	10-Jan-94 Mon				HH patrol, trim trees E/O Nogales Hwy on 46-C-44, for the first 13 spans to pole 13, completed 2/17/94 by ASPLUNDH.	N/A	
78	Alt.Source Ft. Hua. 46-C-044	30-Apr-94 Sat	14:08:00	14:31:00	0 D 0 H 23 M 00 S	Out of power after car hit pole E/S Nogales Hwy., 1mi N/O Pima Mine Rd. Source 46-C-542 locked out.	Clear	NONE
78	Alt.Source Ft. Hua. 46-C-044	21-Jun-94 Tue	18:09:00		Intentional time delay 15 sec.	Storm in area. See entry dated 6/24/94, lightning strike.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	24-Jun-94 Fri				Patrolled this date by HAP, for relay action on 21 June, at pole #37, hit by lightning, repair burnt grd wire and check insulators. Other findings, see HAP.	N/A	
78	Alt.Source Ft. Hua. 46-C-044	3-Jul-94 Sun	16:50:00		Intentional time delay 15 sec.	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	3-Jul-94 Sun	19:19:00		Intentional time delay 15 sec.	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	20-Jul-94 Wed	13:21:00		Intentional time delay 15 sec.	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	22-Jul-94 Fri				HH patrol from switch 46-S442 to 46-S-384, found to in the clear.	N/A	
78	Alt.Source Ft. Hua. 46-C-044	23-Jul-94 Sat	18:16:00		Intentional time delay 15 sec.	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	23-Jul-94 Sat	18:45:00		Intentional time delay 15 sec.	Storm.	Storm	NONE

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
78	Alt.Source Ft. Hua. 46-C-044	28-Jul-94 Thu	14:40:00		Intentional time delay 15 sec.	Storm.	Storm	
78	Alt.Source Ft. Hua. 46-C-044	28-Jul-94 Thu	15:10:00		Intentional time delay 15 sec.	Storm.	Storm	
78	Alt.Source Ft. Hua. 46-C-044	28-Jul-94 Thu	15:14:00		Intentional time delay 15 sec.	Storm.	Storm	
78	Alt.Source Ft. Hua. 46-C-044	2-Aug-94 Tue				Patrol of circuit for relay actions from Jul. 3, 94 to Jul. 28, 94 was done and the circuit was found in the clear.	N/A	
78	Alt.Source Ft. Hua. 46-C-044	14-Aug-94 Sun	17:40:00		Intentional time delay 15 sec.	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	16-Aug-94 Tue	16:29:00		Intentional time delay 15 sec.	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	19-Aug-94 Fri	11:43:00		Intermittent 2 Shot	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	19-Aug-94 Fri	12:08:00		Intermittent 3 Shot	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	21-Aug-94 Sun	12:33:00		Intermittent 3 Shot	Storm.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	25-Aug-94 Thu	19:54:00		2 Shot	Storm	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	25-Aug-94 Thu	20:02:00		Intentional time delay 15 sec.	Storm	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	25-Aug-94 Thu	20:11:00		Intermittent 3 Shot	Storm	Storm	NONE

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
78	Alt.Source Ft. Hua. 46-C-044	26-Aug-94 Fri				Patrolled by Hap: Pole 329, flashed insulators, middle & south (39.5 miles). Pole 326, 3 flashed insulators (all 3Øs) (39.2 miles). Pole 325, 3 flashed insulators, (all 3Øs) (39.1miles). Pole 321, 1 flashed insulator, middle Ø (38.7 miles).	N/A	
78	Alt.Source Ft. Hua. 46-C-044	28-Aug-94 Sun	15:35:00		Intentional time delay 15 sec.	Storm, note: patrol findings of Friday Aug. 26, 1994 not repaired yet.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	29-Aug-94 Mon				Partial Patrol by Hap: Pole 376 MØ flashed insulator (44.5 miles) Pole 359 MØ flashed insulator (42.7 miles) Pole 358 SØ flashed insulator (42.6 miles) Pole 357 MØ flashed insulator (42.5 miles) Pole 355 MØ flashed insulator (42.2 miles)	N/A	
78	Alt.Source Ft. Hua. 46-C-044	30-Aug-94 Tue	23:25:00		Intentional time delay 15 sec.	Storm, AØ - Grd, SEL report 43.7 miles from SL, pole #369 reference point.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	30-Aug-94 Tue				HH patrol from 46-S-433 to Ft Sub, Pole 403, split xarm, Pole 410,411, 414, repull wing guys, Pole 432 flashed standoff on NØ jumper Pole 376 flashed 55 kV insulator middle Ø.	N/A	
78	Alt.Source Ft. Hua. 46-C-044	31-Aug-94 Wed	0:01:00		Intentional time delay 15 sec.	Storm, BØ - Grd, SEL report 46.8 miles from SL, pole #396 reference point.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	2-Sep-94 Fri	18:28:00		Intentional time delay 15 sec.	Storm, AØ - Grd, SEL report 26.25 miles from SL, pole #197 reference point.	Storm	
78	Alt.Source Ft. Hua. 46-C-044	10-Sep-94 Sat	17:20		Intentional time delay 15 sec.	Storm, SEL BØ - Grd, 18.07 miles from SL. Reference pole #124, north Ø.	Storm	
78	Alt.Source Ft. Hua. 46-C-044	11-Sep-94 Sun	18:22:00		Intentional time delay 15 sec.	Storm, SEL BØ - Grd, 18.3 miles from SL. Reference pole #126, north Ø.	Storm	NONE
78	Alt.Source Ft. Hua. 46-C-044	14-Oct-94 Fri	22:52:00		Intentional time delay 15 sec.	Storm, CØ - Grd, SEL report 46.79 miles from SL, pole #396 reference point.	Rain/Wind	NONE
78	Alt.Source Ft. Hua. 46-C-044	3-Nov-94 Thu	13:00:00			Hap patrol from 46 S 212 to OCB 46 C 44, pole 93 broken 55 kV insulator, completed today by Overholtz. Priority "A"	NA	
78	Alt.Source Ft. Hua. 46-C-044	3-Nov-94 Thu	13:00:00			Hap patrol from 46 S 212 to OCB 46 C 44, pole 98 shot insulator badly broken, completed today by Overholtz. Priority "A"	NA	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
78	Alt.Source Ft. Hua. 46-C-044	3-Nov-94 Thu				Targets and counter this date, 51N "T", counter 511.	NA	
	De Moss Petrie 46-C-004	4-Mar-94 Fri				HH patrol from OCB to 46-S365, 853 & 849, Priority "C" replace xarm, completed 3/18/94, Enriquez.	N/A	
	De Moss Petrie 46-C-004	14-May-94 Sat	9:45:00		Instan	U/A Med abnormal configuration due to EMF consideration. Circuit patrolled by HAP this date, no findings. Up-date: Distribution Xfrm fuse blew at 1845 E. Glenn, BØ 46 kV approx 3-4' from Xfrm.	Clear	WINNIE NO. 2 MOUNTAIN NO. 2 U OF A MED NO. 2
	De Moss Petrie 46-C-004	16-May-94 Mon				Patrol directed to 1845 E. Glenn where on 5/14/94 2 fuses blew on OH XFRM bank. 46kV BØ approximately 3-4 feet from XFRM fuses, speculation is the XFRM fuse explosion caused 46kV disturbance, approx. 3 miles from DMP. (Hedrick C09)	N/A	
	De Moss Petrie 46-C-005	27-Jan-94 Thu	8:32:15			Gas turbine on line for Generation, tripped, 08:37:55 the turbine ACB was opened by PP personnel.	Clear	NONE
30	De Moss Petrie 46-C-010	15-Oct-94 Sat	15:27:44	15:29:06	0 D 0 H 01 M 22 S	Unknown, Closed by supervisor, atuomatic recloser checked in service by troubleman. 10/17 found contact not making up in SG relay.	Rain/Wind	WEST SPEEDWAY 1 & 2 SHANNON 1 & 2
30	De Moss Petrie 46-C-010	7-Nov-94 Mon				Patrol by Hap, remove string from static-top Ø-bottom Ø & primary 2735 Anklam Rd 2nd pole E/O 46 S 310. Re-staple pole ground wire on switch pole 46 S 310. Completed by Brannon this date. Other work (routine) to be done later.	NA	
26, 27, 701	East Loop 46-C-522	28-Feb-94 Mon				HH patrol from 46-S-179, 210 & 209, Priority "A" replace triple xarm on Wilmot N/O Eli Dr, completed 2/30/94.	N/A	
26, 27, 701	East Loop 46-C-522	9-Mar-94 Wed				HH patrol from 46-S-209, 710, 652 & 654, routine work found for late repair.	N/A	
26, 27, 701	East Loop 46-C-522	13-Aug-94 Sat	15:38:00		2 Shot	Storm, lightning, replaced insulator Mann & 22nd on Aug 15th.	Storm	
26, 27, 701	East Loop 46-C-522	15-Aug-94 Mon				Patrolled by Hap, various findings of which 2 flashed insulators were replaced this date by Enriquez which were very bad. See Hap's report file for further info.	N/A	
26, 27, 701	East Loop 46-C-522	19-Aug-94 Fri	14:54:00		2 Shot	Storm, Debris removed from line Scarlet & Wilmot, Flashed Insulator @ St. Joseph Hospital.	Storm	WILMOT LINDEN PARK KOLB-22nd CRAYCROFT HELEN NO. 2

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
26, 27, 701	East Loop 46-C-522	20-Aug-94 Sat				Patrolled by Hap, remove metallic debris from line on 1st pole N/O Scarlett on Wilmot, complete this date. 2 flashed insul on Wilmot 1st pole N/O Carondelet Dr. in front of St. Joseph Hospital.	N/A	
77	Irvington 46-C-101	9-Feb-94 Wed				HH patrol, Priority "A" anchor rods, see patrol report for details, work completed 3/24/94.	N/A	
77	Irvington 46-C-101	23-Jul-94 Sat	21:01:00		Instan		Storm	DMAFB CRAYCROFT
77	Irvington 46-C-101	25-Jul-94 Mon				Patrol by HAP, 2 flashed standoff insulators on Wilmot N/O Golf Links, re-staple pole ground, old, not related to 7/23 relay. No other findings.	N/A	
77	Irvington 46-C-101	19-Aug-94 Fri	15:02:00		Instan	Storm, KD Zone 2 trip, under investigation.	Storm	DMAFB CRAYCROFT
77	Irvington 46-C-101	19-Aug-94 Fri	16:07:00		Instan	Relayed when an open feeder at DMAFB was closed. KD Zone 2 trip, under investigation.	Storm	DMAFB CRAYCROFT
77	Irvington 46-C-101	25-Sep-94 Sun	18:12:00		Instan	Storm, relayed instantaneous, Grd Relay "I".	Storm	DMAFB CRAYCROFT
77	Irvington 46-C-101	29-Sep-94 Thu	16:01:00		Instan	Relayed instantaneous, Grd Relay "I".	Clear	DMAFB CRAYCROFT
77	Irvington 46-C-101	3-Oct-94 Mon				Patrolled by HAP. Found broken insulator and conductor out of the saddle N/O Oro St. 5th pole E/O Craycroft and debris in standoff on Wilmot 1st pole in side DM gate. Work Complete 10/3/94 by Samanigo 5168.	N/A	
705	Irvington 46-C-103	16-Jul-94 Sat	21:37:00		Instan	Tree problem, see entry dated 21 Jul. 94.	???	
705	Irvington 46-C-103	21-Jul-94 Thu				Patrolled by HAP, found tree problem S/W corner of Copper & Chantilly, W/O Park Mall. Other findings noted for future repair.	N/A	
705	Irvington 46-C-103	23-Jul-94 Sat	20:49:00		Instan		Storm	ALVERNON NO. 1 EL CON NO. 2 SWAN NO. 1 SEAR NO. 1

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
705	Irvington 46-C-103	19-Aug-94 Fri	14:34:00		3 Shot	Storm, held on 3rd shot.	Storm	ALVERNON NO. 1 EL CON NO. 2 SWAN NO. 1 SEARS NO. 1
705	Irvington 46-C-103	20-Aug-94 Sat				Patrol by Hap, line found it to clear, all but routine maintenance.	N/A	
	Irvington 46-C-104	26-Apr-94 Tue	9:45:00		Instan	Relayed, unknown, clear weather.	Clear	
	Irvington 46-C-104	14-Jun-94 Tue	7:11:00	7:17:00	0 D 0 H 06 M 00 S	Circuit relayed when switchman opened 46CS104C breaking approximately 10 MVA load. Big bang/flash. No injury. Switchman had been directed to open 46CS103C.	Clear	U OF A NO. 2 ALVERNON NO. 1 & NO. 2 PUEBLO GARDENS WAREHOUSE NO. 1 & NO. 2
	Irvington 46-C-104	28-Jul-94 Thu	16:21:00		Instan	Tree in 46kV at Tucson Blvd. and 19th, Switch Sheet 343.	Storm	U OF A NO. 2 ALVERNON NO. & NO. 2 WAREHOUSE NO. 1 & NO. 2
	Irvington 46-C-104	28-Jul-94 Thu	16:23:00	16:50:00	0 D 0 H 27 M 00 S	Tree in 46kV at Tucson Blvd. and 19th, Switch Sheet 343.	Storm	U OF A NO. 2 ALVERNON NO. & NO. 2 WAREHOUSE NO. 1 & NO. 2
	Irvington 46-C-104	31-Dec-94 Sat	17:20:00		Instan	Car hit span guy pole, pole down, 19th & Country Club.	Clear	ALVERNON NO. 2 WAREHOUSE 1 & 2 U OF A NO. 2
19, 50, 706	Irvington 46-C-106	4-Feb-94 Fri	8:09:00		Instan	Relayed, unknown, Subs 35th #1, 21st, Pueblo.	Clear	35tH NO. 1 PUEBLO GARDENS
48, 53	Irvington 46-C-107	20-Apr-94 Wed	16:45:00	17:07:00	0 D 0 H 22 M 00 S	Storm/winds, 3 poles sheared off Mission & Irvington, Midvale C06 underbuilt locked out.	Storm/winds	TNI FAIR NO. 1 & NO. 2 INDIAN SCHOOL
48, 53	Irvington 46-C-107	11-Jun-94 Sat	14:07:00		Instan	Clear & Hot - no cause for relay action other than speculation - car hit pole?...dust devil...?	Clear	
48, 53	Irvington 46-C-107	21-Jul-94 Thu				HH patrol, install 3 standoffs on jumpers on 46 kV vertical feeding Mission Sub at La Cholla & Nebraska, northeast corner of sub. Completed 7/22/94, 5168, Brannon.	N/A	
48, 53	Irvington 46-C-107	22-Jul-94 Fri	12:18:00		Instan	Patrolled by HAP, found dead hawk at switch 46S891, open and closed switch to get a better close and hawk fell out.	Clear	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
48, 53	Irvington 46-C-107	28-Jul-94 Thu	16:41:00		Instan	Poles went down Mission S/O Irvington 6 minutes after this instantaneous operations.	Storm	TNI FAIR 1 & 2 INDIAN SCHOOL
48, 53	Irvington 46-C-107	28-Jul-94 Thu	16:47:00	17:25:00	0 D 0 H 38 M 00 S	Poles down Mission S/O Irvington. 13 poles replaced.	Storm	TNI FAIR 1 & 2 INDIAN SCHOOL
48, 53	Irvington 46-C-107	7-Aug-94 Sun	21:40:00		2 Shot	Storm, unknown.	Storm	TNI FAIR 1 & 2 INDIAN SCHOOL
48, 53	Irvington 46-C-107	8-Aug-94 Mon				Patrol this date, found routine maintenance, two (2) 46kV switches needed to be closed better (46-S-704 & 46-S-244).	N/A	
48, 53	Irvington 46-C-107	8-Aug-94 Mon				Patrolled by Hap, found routine maintenance only.	N/A	
48, 53	Irvington 46-C-107	25-Aug-94 Thu				Circuit back to normal configuration at 09:13, this is in reference to when the poles went down 28 Jul. 1994.	N/A	
	Irvington 46-C-109	28-Jul-94 Thu	16:52:00	19:24:00	0 D 2 H 32 M 00 S	Poles down at Mission N/O Valencia. 12 poles replaced.	Storm	OLIVE, AJO MEDINA 1 & 2 BILBY 1 & 2 BOPP DONALD 1 & 2
	Irvington 46-C-109	16-Aug-94 Tue	17:16:00		Instan	Storm, unknown.	Storm	OLIVE, AJO MEDINA 1 & 2 BILBY 1 & 2 BOPP DONALD 1 & 2
	Irvington 46-C-109	25-Aug-94 Thu				Circuit back to normal configuration at 09:13, this is in reference to when the poles went down 28 Jul. 1994.	N/A	
79	Irvington 46-C-111	20-Apr-94 Wed	15:09:00		Instan	Hughes, Storm and winds, tumble weeds in 46kV N/O switch 46 S 260 (HH).	Storm/winds	HUGHES
79	Irvington 46-C-111	20-Apr-94 Wed	15:12:00		Instan	Hughes, Storm and winds, tumble weeds in 46kV N/O switch 46 S 260 (HH).	Storm/winds	HUGHES
79	Irvington 46-C-111	20-Jul-94 Wed	14:37:00		Instan		Storm	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
79	Irvington 46-C-111	21-Jul-94 Thu				Patrolled by HAP, circuit checked in the clear.		
79	Irvington 46-C-111	16-Aug-94 Tue	8/16/94 17:17	8/16/94 17:56	0 D 0 H 39 M 00 S	Relayed, did not reclose, bad latching device on OCB, Hughes threw over to 544, Latch fixed and 111 closed 17:56.	Storm	HUGHES
79	Irvington 46-C-111	16-Aug-94 Tue				Patrol by Hap, line found OK.	N/A	
79	Irvington 46-C-111	26-Aug-94 Fri	21:42:05		2 Shot	Storm, Hughes ATO.	Storm	HUGHES
79	Irvington 46-C-111	26-Aug-94 Fri	21:46:42	22:06:00	0 D 0 H 19 M 18 S	Storm, Hughes ATO.	Storm	HUGHES
79	Irvington 46-C-111	27-Aug-94 Sat	11:11:02		2 Shot	Bad switch insulator 46-S-161, Hap on patrol, testing switch, insulator fell apart and off (ducked). Hughes ATO.	Clear	HUGHES
79	Irvington 46-C-111	27-Aug-94 Sat	11:14:20		2 Shot	Bad switch insulator 46-S-161, Hap on patrol, testing switch, insulator fell apart and off (ducked). Hughes on 544.	Clear	NONE
79	Irvington 46-C-111	27-Aug-94 Sat				Patrol by Hap, switch insulator fell off 46-S-161 while testing switch, insulator damages by previous lightning strike, other flashed insulator noted. Findings worked this date by Enriquez and Overholtz.	N/A	HUGHES
79	Irvington 46-C-111	20-Dec-94 Tue	11:15:32		Instan	Relayed, patrolled by HH, nothing found.	Clear	HUGHES
	Irvington 46-C-112	9-Aug-94 Tue	14:20:00			Effective this date/time 46-C-112 placed in service with 46-S-212 opened for summer configuration due to storms.	N/A	
	Irvington 46-C-112	26-Aug-94 Fri	21:41:50		Instan	Storm, no subs, summer configuration.	Storm	NONE
	Irvington 46-C-112	10-Oct-94 Mon	9:40:00			Winter configuration, 46-S-212 closed and Irivngton 46-C-112 opened.		

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
60, 75	North Loop 46-C-502	5-Mar-94 Sat	10:23:00		Instan	Unknown.	Clear	APC QUARRY SILVERBELL
60, 75	North Loop 46-C-502	6-Mar-94 Sun				Circuit relayed 3/5/94, patrolled by HH this date, no cause found for relay action, other routine findings filed for future work.	N/A	
60, 75	North Loop 46-C-502	5-May-94 Thu	5:02:44	5:25:00	0 D 0 H 22 M 16 S	46-C-502 trying to clear a fault. Breaker Failure caused Bus Differential on 46kV bus at North Loop. Failed Trip Coil. Closed 46-S-313 picked up Silverbell & APC Quarry	Clear	APC QUARRY SILVERBELL
60, 75	North Loop 46-C-502	5-May-94 Thu				HH patrol of circuit, routine findings work completed 10/18/94 by 5168, Overholtz.	N/A	
60, 75	North Loop 46-C-502	6-May-94 Fri				Partial patrol of circuit completed, major findings: pole (#196) rotted off and leaning, split bayonet replace pole 187. Repaired this date.		
60, 75	North Loop 46-C-502	9-May-94 Mon				Patrol of circuit completed by HAP this date. Suspected fault of May 5th on pole 407, new burn marks on brace & base of vertical post insulator - Why? - maybe bird with debris?	Clear	
60, 75	North Loop 46-C-502	28-Jul-94 Thu	16:48:00		3 Shot	Poles down Lambert and Quarry Rd, circuit relayed to lockout 3 minutes later.	Storm	APC QUARRY SILVERBELL
60, 75	North Loop 46-C-502	28-Jul-94 Thu	16:51:00	18:10:00	0 D 1 H 19 M 00 S	Poles down Lambert and Quarry Rd. 2 poles replaced.	Storm	APC QUARRY SILVERBELL
60, 75	North Loop 46-C-502	16-Aug-94 Tue	18:05:00		Instan	Storm, unknown.	Storm	APC QUARRY SILVERBELL
60, 75	North Loop 46-C-502	16-Aug-94 Tue	18:18:00		Instan	Storm, unknown.	Storm	APC QUARRY SILVERBELL
60, 75	North Loop 46-C-502	5-Oct-94 Wed				HH patrol of circuit, routine findings work completed 10/18/94 by 5168, Overholtz.	N/A	
73, 74	North Loop 46-C-503	5-May-94 Thu	5:02:44	5:26:00	0 D 0 H 23 M 16 S	Breaker Failure (Failed Trip Coil) on 46-C-502 caused Bus Differential on 46kV bus at North Loop.	Clear	APC MILL APC NO. 1 & NO. 2

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
73, 74	North Loop 46-C-503	28-Jul-94 Thu	18:24:00		Instan	Unknown, storm.	Storm	APC MILL APC NO. 1 & NO. 2
73, 74	North Loop 46-C-503	19-Aug-94 Fri				Patrol by Hap, line found OK.	N/A	
	North Loop 46-C-504	10-Feb-94 Thu	7:52:00		2 Shot	Patrolled by HH, negative.	Clear	
	North Loop 46-C-504	24-Apr-94 Sun	20:29:00	22:31:00	0 D 2 H 02 M 00 S	Tumble weeds in the 46 W/O switch 46 S 777, the recloser was OOS for unknown reason and the line was tested by supy twice, high wind this date.	High Winds	LATERAL 7-1/2 NO. 1 LATERAL 7-1/2 NO. 2
	North Loop 46-C-504	5-May-94 Thu	5:02:44	5:27:00	0 D 0 H 24 M 16 S	Breaker Failure (Failed Trip Coil) on 46-C-502 caused Bus Differential on 46kV bus at North Loop. (Lateral 7 1/2 No. 1 and No. 2)	Clear	LATERAL 7-1/2 NO. 1 LATERAL 7-1/2 NO. 2
	North Loop 46-C-504	28-Jun-94 Tue	19:40:00		Instan	Unknown	???	LATERAL 7-1/2 NO. 1 LATERAL 7-1/2 NO. 2
	North Loop 46-C-504	16-Aug-94 Tue	18:08:00		Instan	Storm, unknown.	Storm	LATERAL 7-1/2 NO. 1 LATERAL 7-1/2 NO. 2
	North Loop 46-C-504	23-Aug-94 Tue				Patrolled by Hap, found in the clear at this time.	N/A	
	North Loop 46-C-504	2-Sep-94 Fri	20:32:00		Instan	Storm, see entry dated 9/6/94, flashed insulator lightning caused.	Storm	LATERAL 7-1/2 NO. 1 LATERAL 7-1/2 NO. 2
	North Loop 46-C-504	2-Sep-94 Fri	20:41:00		Instan	Storm, see entry dated 9/6/94, flashed insulator lightning caused.	Storm	LATERAL 7-1/2 NO. 1 LATERAL 7-1/2 NO. 2
	North Loop 46-C-504	6-Sep-94 Tue				Patrolled by HAP, 1 flashed insulator top phase on steel pole N/O Santa Cruz River S/O Benta Vista, speculate lightning caused.	N/A	
	North Loop 46-C-508	5-May-94 Thu	5:02:44	5:27:00	0 D 0 H 24 M 16 S	Breaker Failure (Failed Trip Coil) on 46-C-502 caused Bus Differential on 46kV bus at North Loop. (Gas Turbine 46kV OCB)	Clear	NONE

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	North Loop 46-C-510	5-May-94 Thu	5:02:44	5:26:00	0 D 0 H 23 M 16 S	Breaker Failure (Failed Trip Coil) on 46-C-502 caused Bus Differential on 46kV bus at North Loop. (46kV 3 Winding Xfrm OCB)	Clear	NONE
91	North Loop 46-C-511	5-May-94 Thu	5:02:44	5:26:00	0 D 0 H 23 M 16 S	Breaker Failure (Failed Trip Coil) on 46-C-502 caused Bus Differential on 46kV bus at North Loop.	Clear	LAGO DEL ORO OVERTON LA CHOLLA
91	North Loop 46-C-511	30-Sep-94 Fri	6:28:00		Instan		Clear	LAGO DEL ORO ORO VALLEY NO. 2 OVERTON LA CHOLLA
91	North Loop 46-C-511	30-Sep-94 Fri	14:00:00			Patrolled by Hap, primary neutral torn down by KE & G construction company on Lambert W/O 1st Ave (LC C 12), suspect this caused relay. Also SW 46-S-415 opened and closed to get better close, one phase not fully in jaws, switch near incident.	N/A	
91	North Loop 46-C-511	11-Nov-94 Fri	8:24:00		Instan	Unknown root cause, raining.	Raining	LAGO DEL ORO ORO VALLEY NO. 2 OVERTON LA CHOLLA
91	North Loop 46-C-511	22-Nov-94 Tue				HH patrol from OCB to 46-S-415 & 46-S-416, rountine findings noted as filed for future work.	N/A	
91	North Loop 46-C-511	23-Nov-94 Wed				Patrol: Broken xarm 7848 N. Oracle, fixed this date (M. Harrolle). Also reclosed 46-S-200 properly. Broken xarm would have caused outage on 46 kV and underbuilt.	N/A	
91	North Loop 46-C-511	28-Nov-94 Mon				HH patrol from 46-S-320 to 46-S-200, findings noted, see file.	N/A	
21, 708, 709, 718	Northeast 46-C-601	6-Jun-94 Mon	8:05:00		2 Shot	Surge arrester failed underbuilt 14C711 riser, report later in afternoon by line crew that a hawk got into riser. Subs: Syline, Coronado 1 & 2, North Campbell.	Clear	
21, 708, 709, 718	Northeast 46-C-601	28-Jul-94 Thu	16:34:00		Instan	C4 North Campbell failed to clear fault, high fuses blown N. Campbell, relayed 46, storm.	Storm	SKYLINE NO. 1 & NO. 2 CORONADO NO. 1 & NO. 2 NORTH CAMPBELL
21, 708, 709, 718	Northeast 46-C-601	13-Aug-94 Sat	15:35:00	16:51:00	0 D 1 H 16 M 00 S	Tree in 46 Swan & Skyline. Shadow Roc, North Campbell and Cor 1 & 2 picked up 16:51. Skyline 1 & 2 energized 18:09.	Storm	SKYLINE NO. 1 & NO. 2 CORONADO NO. 1 & NO. 2 NORTH CAMPBELL
12, 710, 711	Northeast 46-C-602	5-Jan-94 Wed	17:02:00		Instan	Unknown	Clear	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
12, 710, 711	Northeast 46-C-602	1-Sep-94 Thu	16:39:00		Instan	Storm.	Storm	ECON 1 COUNTRY CLUB 1 & 2 OLSEN SPARKMAN 2
10, 47, 89	Northeast 46-C-603	28-Jul-94 Thu	16:42:00		Instan	Unknown, storm.	Storm	NORTH ALVERNON NO. 2 GRANT TMC VAN BUREN
10, 47, 89	Northeast 46-C-603	19-Aug-94 Fri				16:00 Found 46 S 712 switch pole broken and leaning 15 degrees, pole stubbed 8/20/94 12:03 PM.	N/A	
10, 47, 89	Northeast 46-C-603	9-Dec-94 Fri				Per HAP, replaced switch pole on 46 S 712, AND 46 S 854, both stubbed at this time. Replace 46 kV pole on Craycroft N/O Tower Str., currently stubbed.	N/A	
44, 92, 713, 714, 715	Northeast 46-C-604	17-Feb-94 Thu	14:45:00		Instan	Car hit guy wire @ Fairview & Roger. Rillito C11 relayed 2 shot, underbuilt to 604.	Clear	
44	Northeast 46-C-604	24-May-94 Tue	5:58:00		2 Shot	Unknown, storm cells over Tucson area, patrolled by Stocksdale, no causes found for operation. Mountain Sub only, circuit at time of operation switched abnormally.	Storm cells over Tucson area	MOUNTAIN NO. 1
44	Northeast 46-C-604	15-Aug-94 Mon	19:39:00			Four (4) 46kV poles down La Cholla S/O Magee, section of 46 C 604 that is de-energized for summer storms, underbuilt locked out (Overton La Cholla C11).	Storm	NONE
44	Northeast 46-C-604	16-Oct-94 Sun	16:06:00		Instan	Unknown.	Rain/Wind	MOUNTAIN NO. 1
44	Northeast 46-C-604	3-Nov-94 Thu				HH patrol from 46-S-208 to 46-S-847, findings repaired by Brannon 11/18/94.	N/A	
44	Northeast 46-C-604	13-Dec-94 Tue				Circuit patrolled by HAP, 1 flashed insulator center Ø on Oracle Rd 2nd pole S/O Ina Rd., and re-tie east Ø or change insulators to vertical post type on Oracle 3rd pole S/O Ina.	N/A	
	Northeast 46-C-605	9-Mar-94 Wed				HH patrol, repair 46-S-340 on Hedrick Dr & Gill Ave, two bad cap & pin insulators, north and south blade do not open. Completed 3/9/94 by Enriquez. Priority "A".	N/A	
	Northeast 46-C-605	16-Aug-94 Tue	17:22:00	17:53:00	0 D 0 H 31 M 00 S	Storm, lightning strike on open switch 46 S 166, insulator locking out circuit on 46 C 605 side, other side 46 C 607 relayed same time, underbuilt 13.8 relayed same time. Subs 46 C 605: Sparkman 1, Hedrick 1 & 2. Sparkman had problem with throw back.	Storm	SPARKMAN NO. 1 HEDRICK NO. 1 & NO. 2

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Northeast 46-C-605	17-Aug-94 Wed				Patrolled by Hap, replace bad cap & pin insulator on 46 S 166, flashed standoff on Dodge 1st pole N/O Monte Vista Dr. Completed by Barton 8/17. Priority "A".	N/A	
	Northeast 46-C-605	1-Sep-94 Thu	16:38:00		Instan	Storm.	Storm	SPARKMAN 1 HEDRICK 1 & 2
	Northeast 46-C-607	3-Jan-94 Mon				HH patrol, rountine work completed 1//4/94 by Perez, see Patrol Finding and Repair Order Sheet for details.	N/A	
716, 717, 725	Northeast 46-C-607	24-Jan-94 Mon	12:54:00		Instan		Clear	
716, 717, 725	Northeast 46-C-607	24-Jan-94 Mon	12:54		Instan	Unknown	Clear	
	Northeast 46-C-607	22-Jul-94 Fri	17:25:00		Instan	Craycroft Barril, Snyder Subs.	Storm	CRAYCROFT - BARRIL
	Northeast 46-C-607	23-Jul-94 Sat	21:01:00		Instan	46 circuit relayed same time overall diff on Snyder T2 & T3.	Storm	CRAYCROFT - BARRIL
	Northeast 46-C-607	25-Jul-94 Mon				Patrol by HAP, Replace 1 burnt standoff insulator caused by metallic string center on Craycroft 1st pole N/O Ft. Lowell. Tree trim 4448 E. Glenn (Glenn & Laural Ave. 13-14-34-1). Priority "A".	N/A	
	Northeast 46-C-607	16-Aug-94 Tue	17:22:00		Instan	Storm, relayed same time as 46 C 605, lightning strike 46 S 166, 605 locked out, insulator on switch hanging.	Storm	
	Northeast 46-C-607	3-Nov-94 Thu	9:26:00			Jumpers were installed @ Sunrise & Craycroft, Skyline No.1 and No. 2 to 46-C-607, alternate source to Snyder Sub.	NA	
723	South Loop 46-C-542	10-Jan-94 Mon				HH patrol, trim tree request initiated, see worksheet on file for details, work completed 2/14/94 by ASPLUNDH.	N/A	
723	South Loop 46-C-542	28-Apr-94 Thu				~~HH patrol~~ Remove kite from all 3 Øs & static wire on Alvernon Way 5 poles N/O Valencia Re-staple pole grounds at bayonet 5th & 6th poles N/O Little Grand Canyon Completed 4/28/94 by Bishop. ~~Other findings completed 10/28/94 by Brannon.~~	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
723	South Loop 46-C-542	30-Apr-94 Sat	14:08:00	14:31:00	0 D 0 H 23 M 00 S	Relayed to lock out. Green Valley #1 ATO, load picked up. Hartt & Ft. Huachuca back up, 14C609, out of power. Car hit pole E/S Nogales Hwy., 1mi N/O Pima Mine Rd.	Clear	HARTT GREEN VALLEY NO. 1
723	South Loop 46-C-542	10-May-94 Tue				Partial patrol, remove tumble weed from 46KV S/O 11290 Nogales Hwy., and remove plastic from 46KV 3rd pole S/O Hughes Access Rd. on Nogales Hwy. Completed by EcKenrod 5/10/94.		
723	South Loop 46-C-542	26-May-94 Thu				OCB Maintenance		
723	South Loop 46-C-542	30-Jun-94 Thu	20:30:00	20:56:00	0 D 0 H 26 M 00 S	Truck hit pole Limber and Nogales Highway.	???	HARTT GREEN VALLEY NO. 1
723	South Loop 46-C-542	3-Jul-94 Sun	16:53:00		Instan	Storm, lighting strike, see entry dated Jul. 5. Green Valley No. 1 threw over (should not have.)	Storm	HARTT GREEN VALLEY NO. 1
723	South Loop 46-C-542	3-Jul-94 Sun	18:06:00		Instan	Storm, lighting strike, see entry dated Jul. 5. Green Valley No. 1 threw over (should not have.)	Storm	HARTT GREEN VALLEY NO. 1
723	South Loop 46-C-542	5-Jul-94 Tue				Patrol by HAP due to disturbances of Jul. 3: Two (2) standoff insulators flashed (new), one 7 poles N/O Pima Mine Rd on Nogales Hwy., the other 12 poles N/O Sahuarita Rd on Nogales Hwy., lightning strike each.	N/A	
723	South Loop 46-C-542	8-Jul-94 Fri	9:19:00		Instan	HAP in area, pulled tumble weeds out of this circuit on Pima Mine Rd.	Clear	
723	South Loop 46-C-542	20-Jul-94 Wed	14:52:00		Instan		Storm	
723	South Loop 46-C-542	21-Jul-94 Thu				Patrolled by HAP, circuit checked in the clear.		
723	South Loop 46-C-542	8-Aug-94 Mon	15:50:00		2 Shot	Storm, Lightning strike, see patrol 8/9/94, GV 1 threw-over.	Storm	HARTT GREEN VALLEY NO. 1
723	South Loop 46-C-542	8-Aug-94 Mon	16:18:00		Instan	Storm, Lightning strike, see patrol 8/9/94.	Storm	HARTT GREEN VALLEY NO. 1

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
723	South Loop 46-C-542	9-Aug-94 Tue	14:20:00			Effective this date/time 46-C-112 placed in service with 46-S-212 opened for summer configuration due to storms.	N/A	
723	South Loop 46-C-542	9-Aug-94 Tue				Patrol of circuit completed, 6 flashed standoff insulators at different locations, 2 are 10.9 miles from South Loop at Tucson - Nogales Hwy. E/O rail road tracks 22 poles S/O Quail Crossing Blvd. (check fault distance 8/8/94).	N/A	
723	South Loop 46-C-542	5-Sep-94 Mon	21:44:00		Instan	Patrolled by HAP 9/6/94 AM, found 1(one) flashed standoff insulator on center Ø S/O Pima Mine Rd northeast corner of SL Sub. Fresh, possible varmint, did not find a varmint. Center Ø is CØ.	Clear	
723	South Loop 46-C-542	6-Sep-94 Tue				HH patrol, see worksheet findings for details, this work was completed on 12/13/94 by Perez.	N/A	
723	South Loop 46-C-542	2-Dec-94 Fri				HH patrol, replace split jumper arm on Alvernon Way 3rd pole S/O Los Reales. Completed this date by M. Harrolle.	N/A	
723	South Loop 46-C-542	5-Dec-94 Mon				HH patrol, 46-S-26 needs to be closed prperly, completed by Cain, 12//6/94.	N/A	
	South Loop 46-C-544	2-Jul-94 Sat	19:21:00		Instan	Unknown, storm.	Storm	NONE
	South Loop 46-C-544	28-Jul-94 Thu	16:48:00		Instan	Unknown, storm.	Storm	NONE
79	South Loop 46-C-544	12-Aug-94 Fri				Patrol complete by Hap, one (1) flashed standoff 1 st pole N/O 9418 S. Nogales Hwy., west circuit, caused by lightning.	N/A	
79	South Loop 46-C-544	16-Aug-94 Tue	17:20:00		Instan	Unknown, storm, Hughes on this circuit at this time due to 46 C 111 failing to reclose on fault at 17:17.	Storm	HUGHES
	South Loop 46-C-544	27-Aug-94 Sat	12:18:24		Instan	Bad switch insulator 46-S-161, Hap on patrol, testing switch, insulator fell apart and off (ducked).	Clear	HUGHES
66, 69	South Loop 46-C-545	10-Jan-94 Mon				HH patrol, replace grounding on switch 46-S-732, completed 1/14/94 by Koperno.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
66, 69	South Loop 46-C-545	3-Feb-94 Thu	6:22		3 Shot	Found pole hit 1 mile N/O Pima Mine Rd. on Mission Rd.	Clear	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	3-Mar-94 Thu				HH patrol, replace 8' anchor rods on H structure for circuits 545 & 552, W/O Camino De La Terria N/O Duval Mine Water Rd, rods are rusting off. Completed 4/27/94 by Enriquez.	N/A	
	South Loop 46-C-545	3-Mar-94 Thu				HH patrol, replace 8 anchor rods on H structure for 545 & 552, W/O Camino Del Sol N/O Duval Mine Water Line Rd, anchor rods are rusting off. Work completed 4/5/94 by Enriquez.	N/A	
	South Loop 46-C-545	13-Mar-94 Sun	16:51:00	22:52:00	0 D 6 H 01 M 00 S	Eagle Pitcher High side SØ fuse blown and jumper burnt off.	Windy	EAGLE PITCHER
66, 69	South Loop 46-C-545	15-Apr-94 Fri	8:50:00		Instan		Clear	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	18-Apr-94 Mon				Patrolled by HH, McNair and Buffin, circuit founf to be in good shape at this time.	N/A	
66, 69	South Loop 46-C-545	12-May-94 Thu	4:53:00	5:50:00	0 D 0 H 57 M 00 S	Relayed to lock out, storm in area, currently being patrolled at time of this entry.	Storm	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	12-May-94 Thu	7:57:00	8:27:00	0 D 0 H 30 M 00 S	Relayed to LO.	Storm	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	12-May-94 Thu	10:00:00			Found Ø on crossarm 2 miles S/O Ocotillo Rd betwn 46S731 & 46S350, gun shot insulators and a conductor @ two (2) different poles (411 & 421). Completed by Enriquez 5/12/94.		
70, 71	South Loop 46-C-545	26-May-94 Thu				OCB Maintenance		
66, 69	South Loop 46-C-545	19-Jun-94 Sun	18:19:00		Instan	Relayed during storm, unknown, maybe lightning, maybe bird..	Storm	
66, 69	South Loop 46-C-545	10-Jul-94 Sun	4:25:00	4:55:00	0 D 0 H 30 M 00 S	Cyprus reported Point "A" and Reclaim Booster Subs out of power, found 46-S-892 opened by vandals (third time), closed @ 4:55. (Eagle Pitcher also affected).	N/A	CYPRUS POINT"A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
66, 69	South Loop 46-C-545	28-Jul-94 Thu	15:39:00		Instan	Lightning, storm, see patrol entry dated 8/4/94.	Storm	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	4-Aug-94 Thu				Patrol - at pole 385 flashed insulator caused by lightning, top of hill 9 pole structure. Flashed insulator pole 403, three pole structure.	N/A	
66, 69	South Loop 46-C-545	20-Aug-94 Sat	21:51:00		2 Shot	Pole hit Los Reales and Mission.	Not Reported	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	21-Aug-94 Sun	12:54:00		Instan	Storm.	Storm	
66, 69	South Loop 46-C-545	15-Oct-94 Sat	11:26:00		Instan	Unknown. See entry dated 10/31/94 for suspected problem.	Rain/Wind	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	15-Oct-94 Sat	11:34:00		Instan	Unknown. See entry dated 10/31/94 for suspected problem.	Rain/Wind	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	15-Oct-94 Sat	12:32:00		Instan	Unknown. See entry dated 10/31/94 for suspected problem.	Rain/Wind	CYPRUS POINT "A" CYPRUS RECLAIM BOOSTER EAGLE PITCHER
66, 69	South Loop 46-C-545	31-Oct-94 Mon	14:00:00			Circuit patrolled by HAP, found 1-60' pole broken off just below ground 1st deadend pole S/O Cyprus Point "A", also arc marks on west & middle Øs 6' out from deadend S/O 46P686. Suspect this was relay action 10/15/94. Pole stubbed this date by Enriquez.	N/A	
66, 69	South Loop 46-C-545	5-Dec-94 Mon				Partial patrol HH, replace split xarm on Mission Rd 4th pole N/O Campus Drive. Completed 12/6/94, Scott Cole.	N/A	
66, 69	South Loop 46-C-545	6-Dec-94 Tue				Partial patrol HH, 46-S-491 needs to be closed properly, completed by HH this date.	N/A	
66, 69	South Loop 46-C-545	19-Dec-94 Mon				HH patrol of circuit, see file on findings.	N/A	
66, 69	South Loop 46-C-545	29-Dec-94 Thu				HH patrol of circuit, found routine work only, see file for details.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
59	South Loop 46-C-546	18-Nov-94 Fri	16:54:00			Replacement 10 MVA transformer @ AS & R South Pit energized.	N/A	
55, 56	South Loop 46-C-547	10-Aug-94 Wed	17:14:00		Instan	Unknown.	Clear	AS & R SAN XAVIER AS & R MISSION
55, 56	South Loop 46-C-547	11-Aug-94 Thu				Patrolled by Hap, found in the clear at this time.	N/A	
55, 56	South Loop 46-C-547	22-Dec-94 Thu				HH patrol of circuit, found in the clear.	N/A	
57	South Loop 46-C-549	22-Dec-94 Thu				HH patrol of circuit, found in the clear.	N/A	
63	South Loop 46-C-550	10-Jan-94 Mon				Patrol by HH, trim pecan tree N/O Continental store on Old Nogales Hwy. W/O Santa Cruz River.	N/A	
63	South Loop 46-C-550	8-Aug-94 Mon	15:48:00		2 Shot	Storm, GV 2 threw-over.	Storm	
63	South Loop 46-C-550	8-Aug-94 Mon	16:23:00		Instan	Storm.	Storm	
63	South Loop 46-C-550	11-Aug-94 Thu				Patrolled by Hap, flashed standoff insulators, see his report for details, lightning caused.	N/A	
63	South Loop 46-C-550	12-Aug-94 Fri				HH patrol from OCB to 46-S-665. Split xarm Large bird nest Completed 10/30/94 by Brannon.	N/A	
63	South Loop 46-C-550	7-Dec-94 Wed	10:11:00		Instan	13.8 kV underbuilt distribution cap 14VC37 failed and blew up causing 550 to relay (located on the easement north of Esperanza Blvd. E/O La Canada Drive).	Clear	CYPRUS ESPERANZA GREEN VALLEY NO. 2
	South Loop 46-C-552	3-Mar-94 Thu				HH patrol, replace 8 anchor rods on H structure for 545 & 552, W/O Camino Del Sol N/O Duval Mine Water Line Rd, anchor rods are rusting off. Work completed 4/5/94 by Enriquez.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
68, 72	South Loop 46-C-552	10-May-94 Tue				Partial patrol, trim hawk nest 9 poles N/O 46S672, approximately .5 miles N/O Helmet Rd. & La Canada. Completed by EcKenrod 5/10/94.	N/A	
68, 72	South Loop 46-C-552	29-Jun-94 Wed	18:07:00		Instan	Unknown	???	
68, 72	South Loop 46-C-552	21-Aug-94 Sun	13:26:00	14:18:00	0 D 0 H 52 M 00 S	Storm, 13 poles down Calle Sieta & Via Montana Vista in Amado, line isolated by switching and 552 closed at 14:18.	Storm	
68, 72	South Loop 46-C-552	9-Sep-94 Fri	8/21/94 13:26	9/9/94 15:10	19 D 1 H 44 M 00 S	Reference 21 Aug 94, 15 poles S/O 46-S-661 have replaced, energized and phasing ok.	N/A	
64,67,68,72	South Loop 46-C-552	14-Oct-94 Fri	14:07:00		Instan	Unknown.	Rain	BOOSTER CYPRUS INTERCETOR CYPRUS RAW WATER SUPPLY TEP DIS T2
64,67,68,72	South Loop 46-C-552	19-Dec-94 Mon				HH patrol of circuit, see file on findings.	N/A	
	Tucson Station 46-C-143	28-Jul-94 Thu	16:50:00		Instan	Unknown, storm.	Storm	4th STREET NO. 3 & NO. 5 27th STREET NO. 1 & NO. 2 35th STREET NO. 2
	Tucson Station 46-C-144	9-Dec-94 Fri				Patrolled by HAP, re-pull down guyd on Grant Rd S/O De Moss Petrie "dead pole".	N/A	
45, 82, 83, 84	Tucson Station 46-C-146	6-Jun-94 Mon				HH patrol, replace cap & pin insulator on 46-CS-146C. Completed by S. Cole 6/9/94.	N/A	
45, 82, 83, 84	Tucson Station 46-C-146	30-Nov-94 Wed	16:46:00	17:08:00	0 D 0 H 22 M 00 S	Relayed to lock out due to failed lightning arrestor on U of A T-1, BØ. @ 17:06 T-1 isolated, 46C146 closed, @ 17:08 all load was restored via feeder breakers @ U of A.	Clear	U OF A NO. 1 U OF A NO. 3 U OF A NO. 4 U OF A NO. 5
45, 82, 83, 84	Tucson Station 46-C-146	12-Dec-94 Mon				Patrolled by HAP, line found to be in the clear at this time.	N/A	
	22nd 138 Sub.	16-May-94 Mon				22nd Street 138 kV sub energized.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	22nd 138 Sub.	29-Dec-94 Thu	0:40:00	1:25:00	0 D 0 H 45 M 00 S	Transformer differential, cat caused. TT to Irvington 138 C 17.	Clear	22nd STREET
63	Cyprus Esperanza Well Sub	18-Jan-94 Tue	15:04:00	15:10:00	1 D 0 H 06 M 00 S	WØ 46kV fuse blown due to low side (C2) breaker failure. C2 no good, low side fuses installed beyond bypass switch for low side protection. Out from 15:04 the 18th through 15:10 the 19th.		CYPRUS EXPERANZA WELL
	DMP T6	27-Dec-94 Tue	14:34:00	20:45:00	0 D 6 H 11 M 00 S	Transformer taken OOS to repair vacuum bottle problem for LTC.	N/A	
	East Loop 138/46/13.8 kV No. 1 Xfrm	18-May-94 Wed	7:40:00	15:50:00	0 D 8 H 10 M 00 S	LTC maintenance.		
	East Loop Xfrm T2	16-Feb-94 Wed	8:36:00	14:55:00	0 D 6 H 19 M 00 S	OOS for LTC maintenance.		
	East Loop Xfrm T4	17-Feb-94 Thu	9:17:00	14:34:00	0 D 5 H 17 M 00 S	OOS for LTC maintenance.		
	East Loop Xfrm T4	18-Jul-94 Mon	7:40:00	15:50:00	0 D 8 H 10 M 00 S	OOS for LTC maintenance.		
	East Loop Xfrm T4	31-Oct-94 Mon	10/31/94 8:39	11/10/94 9:52	10 D 1 H 13 M 00 S	Transformer OOS for LTC repair.	Clear	
	Irvington No 1 Xfrm 138/46 kV	14-Nov-94 Mon	8:26:00	15:45:00	0 D 7 H 19 M 00 S	IRV #1 TIE XFMR OOS FOR PCB MAINT ON 138-C-1, IN AT 15:45.	N/A	
	Irvington No 1 Xfrm 138/46 kV	16-Nov-94 Wed	7:36:00	15:27:00	0 D 7 H 51 M 00 S	Transformer taken OOS for OCB maintenance.	N/A	
	Irvington No 2 Xfrm 138/46 kV	13-Jan-94 Thu	7:43:00	14:48:00	0 D 7 H 05 M 00 S	OOS to remove OH static.		
	Midvale T1 Transformer	11-Sep-94 Sun	0:07:00	6:16:00	0 D 6 H 09 M 00 S	OOS for LTC Inspection, OCB & ACB maintenance.		

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	North Campbell Sub	28-Jul-94 Thu				Feeder C4 failed to clear fault, blew high fuses (A & CØ).	Storm	NORTH CAMPBELL
	North Campbell Sub	9-Oct-94 Sun				Feeder C4 failed to clear fault, blew high fuses (BØ).	Storm	
	North Loop 138/46/13.8 kV No. 1 Xfrm	26-Apr-94 Tue	9:06:00	13:45:00	0 D 4 H 39 M 00 S	LTC maintenance.		
	North Loop 46kV Bus	5-May-94 Thu				Breaker Failure (Failed Trip Coil) on 46-C-502 caused Bus Differential on 46kV bus at North Loop.	Clear	
	Northeast 138/46/13.8 kV No. 1 Xfrm	13-Sep-94 Tue	9/13/94 15:20	9/14/94 14:36	0 D 23 H 16 M 00 S	Transformer taken out of service due to LTC gassing.	N/A	
	Northeast 138/46/13.8 kV No. 2 Xfrm	24-May-94 Tue	10:28:00	12:40:00	0 D 2 H 12 M 00 S	OOS to repair oil leaks.		
	Rillito 138/13.8kVTransformer No. 2	23-Mar-94 Wed	8:08:00	14:51:00	0 D 6 H 43 M 00 S	OOS for doble test.		
	Rillito 138/13.8kVTransformer No. 3	24-Mar-94 Thu	7:37:00	15:15:00	0 D 7 H 38 M 00 S	OOS for doble test.		
	Snyder T2 - T3	23-Jul-94 Sat	21:01:00	21:36:00	0 D 0 H 35 M 00 S	After check of bus, lock out reset load picked up at station.	Storm	
	South Loop 138/46/13.8kV XFRM	19-Apr-94 Tue	8:15:00	16:26:00	0 D 8 H 11 M 00 S	Transformer taken OOS for maintenance.		
	South Loop 75 MVAR Reactor	24-Jun-94 Fri	6/24/94 14:52	2/8/95 15:53	229.04 days	South Reactor Sudden Pressure, standing relay trip, dispatched crew to site to disable DC tripping relay, reset lockout, line put in service. One winding bad.	Clear	
	South Loop 75 MVAR Reactor	28-Jun-94 Tue	7:13:00			Testing South RAS reactor, didn't work, sudden pressure.	N/A	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
61	Southloop - Cyprus 138kV Cyprus Transformer "A" Unit	8-Feb-94 Tue	5:26:00			DUC 24 tripped, Cyprus equipment problem.		
61	Southloop - Cyprus 138kV Cyprus Transformer "A" Unit	27-Apr-94 Wed	8:07:00	20:47:00	0 D 12 H 40 M 00 S	Transformer "A" Unit Taken OOS for LTC maintenance.		
61	Southloop - Cyprus 138kV Cyprus Transformer "A" Unit	11-Nov-94 Fri	15:56:00			Capacitor ACB DU C 2 tripped, mines lost approximate 10 MW load with voltage excursion. (Cap DU C 12 on "B" unit tripped 16:32 shaking approx. 24 MW load.)	Raining	
61	Southloop - Cyprus 138kV Cyprus Transformer "A" Unit	11-Nov-94 Fri	16:39:00			Capacitor ACB DUC 5 opened by supervisory, troubleman reported arcing at the Cap Bank (between bus bars and the cap rack). Note some mine load down due to mine 46 kV problems, also. DU C 2 and DU C 12, cap banks tripped earlier.	Raining	
61	Southloop - Cyprus 138kV Cyprus Transformer "B" Unit	15-Feb-94 Tue	8:15:00			"B" Unit (Portable Transformer) removed from service.		
61	Southloop - Cyprus 138kV Cyprus Transformer "B" Unit	15-Feb-94 Tue		19:30:00	300 days 3 hrs 12 min	CyprusTransformer "B" Unit loaded.		
61	Southloop - Cyprus 138kV Cyprus Transformer "B" Unit	11-Nov-94 Fri	16:32:00			Capacitor ACB DU C 12 tripped, mines lost approximate 24 MW load with voltage excursion. (DU C 2 tripped earlier shaking approx. 10 MW.)	Raining	
	Springerville Bus B	16-Nov-94 Wed	7:23:00	14:00:00	0 D 6 H 37 M 00 S	B bus OOS for SP 362 B repair.	N/A	
	Springerville Unit 1	4-Jun-94 Sat	10:54:00	19:50:00	0 D 8 H 56 M 00 S	Gen #1 Line differential tripped, birds (Raven) on switch SP371X.	Clear	
	Springerville Unit 2	4-Jun-94 Sat	10:54:00	12:05:00	0 D 1 H 11 M 00 S	Gen #2 tripped via SSO relay when unit 1 tripped for bird problem on switch SP371X.	Clear	
	Springerville Unit 2	27-Oct-94 Thu	4:10:33	5:09:46	0 D 0 H 59 M 13 S	Bus PCBs 360 & 361 tripped while PP was energizing exciter transformer (after work performed on exciter transformer. Found short circuit relay for exciter transformer tripped. Initial report by PP was a flash while energizing exciter transformer.	N/A	
	Vail 345/138/13.8kV T-2	11-Jun-94 Sat	10:57:00	11:03:00	0 D 0 H 06 M 00 S	OOS to replace transformer case ground. (Springerville - Vail 345 kV line opened.)		

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Vail 345/138/13.8kV T-2	15-Nov-94 Tue	7:22:00	15:42:00	0 D 8 H 20 M 00 S	Springerville - Vail line OOS for T-2 doble test, PCB maint. VL 320 C, switch maint. SP 360 B, SP 362 A and check SP 362 C.	N/A	
	Vail Distribution "B" Xfrm 138/13.8 kV	25-Apr-94 Mon	8:02:00	15:12:00	0 D 7 H 10 M 00 S	OOS for ???		
	West Ina 138/13.8 kV Transformer No. 1	21-Mar-94 Mon	8:19:00	16:00:00	0 D 7 H 41 M 00 S	OOS for doble test.		
	West Ina 138/13.8 kV Transformer No. 1	20-Sep-94 Tue	9/20/94 21:22	9/21/94 9:45	0 D 12 H 23 M 00 S	Transformer Differential, ATO operated. Xfmr T1 switch W1120X - broken 4 hole pad connector on jaw side of switch, CØ.	Cloudy/light rain	WEST INA NO. 1
	West Ina 138/13.8 kV Transformer No. 1	28-Sep-94 Wed	8:10:00	10:37:00	0 D 2 H 27 M 00 S	Transformer OOS to repair switch.	NA	
	West Ina 138/13.8 kV Transformer No. 2	22-Mar-94 Tue	7:51:00	15:12:00	0 D 7 H 21 M 00 S	OOS for doble test.		
	AEPCO Pantano - Bicknell 230kV	2-Jun-94 Thu	7:18:00	14:45:00	0 D 7 H 27 M 00 S	Taken OOS for structure replacement.		
	AEPCO Pantano - Bicknell 230kV	16-Nov-94 Wed	9:15:00	11:12:00	0 D 1 H 57 M 00 S	Line taken OOS for maintenance.	N/A	
	Cholla - Pinnacle Peak No. 1 345kV	24-Jun-94 Fri	14:07:00	14:45:00	0 D 0 H 38 M 00 S	Line trip due to tree and/or forest fire.	Clear	
	Cholla - Pinnacle Peak No. 1 345kV	24-Jun-94 Fri	15:08:00	15:31:00	0 D 0 H 23 M 00 S	Line trip due to tree and/or forest fire.	Clear	
	Cholla - Pinnacle Peak No. 1 345kV	24-Jun-94 Fri	15:36:00	15:37:00	0 D 0 H 01 M 00 S	Line trip due to tree and/or forest fire.	Clear	
	Cholla - Pinnacle Peak No. 1 345kV	1-Nov-94 Tue	8:23:00	14:19:00	0 D 5 H 56 M 00 S	Line OOS for conductor repair.	NA	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Cholla - Pinnacle Peak No. 2 345kV	24-Jun-94 Fri	13:52:00	14:49:00	0 D 0 H 57 M 00 S	Line trip due to tree and/or forest fire.	Clear	
	Cholla - Pinnacle Peak No. 2 345kV	24-Jun-94 Fri	15:04:00	15:26:00	0 D 0 H 22 M 00 S	Line trip due to tree and/or forest fire.	Clear	
	Cholla - Pinnacle Peak No. 2 345kV	24-Jun-94 Fri	15:59:00	16:02:00	0 D 0 H 03 M 00 S	Line trip due to tree and/or forest fire.	Clear	
	Cholla - Pinnacle Peak No. 2 345kV	7-Aug-94 Sun	14:04:00	17:01:00	0 D 2 H 57 M 00 S	Line relayed due to a forest fire under the line.	???	
	Cholla - Pinnacle Peak No. 2 345kV	2-Dec-94 Fri	7:39:00	13:49:00	0 D 6 H 10 M 00 S	Line taken OOS for maintenance.	N/A	
	Cholla 525kV bus (west)	31-Jan-94 Mon	11:17:00	16:12:00	0 D 4 H 55 M 00 S	Bus insulator iced over.	???	
	Cholla-Sag 500kV	15-Apr-94 Fri	7:02:00	7:03:00	0 D 0 H 01 M 00 S	False trip.		
	Cholla-Sag 500kV	26-May-94 Thu	3:01:00	3:42:00	0 D 0 H 41 M 00 S	Line relayed, cause unknown, storm cells over Arizona.	Storms cells over AZ	
	Cholla-Sag 500kV	2-Jun-94 Thu	6:30:00	7:00:00	0 D 0 H 30 M 00 S	Relayed, tested bad 06:32, tested good 06:58, in service 07:00, APS determined false trip at Cholla due to relay problem.	Clear	
	Cholla-Sag 500kV	4-Jun-94 Sat	19:10:00	20:30:00	0 D 1 H 20 M 00 S	APS suspects relay problem caused trip.	Clear	
	Cholla-Sag 500kV	4-Jun-94 Sat	23:37:00	0:49:00	0 D 1 H 12 M 00 S	APS suspects PLC relay problem.	Clear	
	Cholla-Sag 500kV	24-Jun-94 Fri	13:47:00	15:12:00	0 D 1 H 25 M 00 S	Line trip due to a saguaro cactus.	Clear	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Cholla-Sag 500kV	24-Jun-94 Fri	15:14:00	19:38:00	0 D 4 H 24 M 00 S	Line trip due to a saguaro cactus.	Clear	
	Cholla-Sag 500kV	21-Jul-94 Thu	17:45:00	18:25:00	0 D 0 H 40 M 00 S	Lightning storm and breaker pole problems on closing.		
	Coronado - Silverking 500kV	23-Jun-94 Thu	12:50:00			Lined tripped, SRP ordered a patrol. (PCB 932 in Silverking yard failed - later notation in book.)	Unknown	
	Coronado - Silverking 500kV	24-Jun-94 Fri	11:49:00	15:27:00	0 D 3 H 38 M 00 S	Line trip due to tree.	Clear	
	Coronado - Silverking 500kV	26-Jun-94 Sun	11:51:00	16:58:00	0 D 5 H 07 M 00 S	SRP removed some trees.	N/A	
	Coronado - Silverking 500kV	18-Aug-94 Thu	16:30:00	16:33:00	0 D 0 H 03 M 00 S	Line tripped, no reason recorded.	???	
	Coronado - Silverking 500kV	4-Sep-94 Sun	15:30:00	15:37:00	0 D 0 H 07 M 00 S	Per SRP storm in area of Silverking Substation.	Storm	
	Four Corners - Cholla No. 1 345kV	24-Jun-94 Fri	17:35:00	20:41:00	0 D 3 H 06 M 00 S	Unknown why it tripped.	Clear	
	Four Corners - Cholla No. 1 345kV	25-Jun-94 Sat	9:23:00	9:28:00	0 D 0 H 05 M 00 S	Taken OOS to remove trees.	N/A	
	Four Corners - Cholla No. 1 345kV	12-Sep-94 Mon	9/12/94 12:06	9/13/94 11:07	0 D 23 H 01 M 00 S	Line locked out due a phase (wire) being down. ETR 9/13/94.	Unknown	
	Four Corners - Cholla No. 2 345kV	25-Jun-94 Sat	9:29:00	9:33:00	0 D 0 H 04 M 00 S	Taken OOS to remove trees.	N/A	
	Four Corners - Moenkopi 500kV	1-Feb-94 Tue	19:34:00	0:14:00	1 D 4 H 40 M 00 S	Broken bells.	???	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Four Corners - Moenkopi 500kV	30-Mar-94 Wed	6:58:00	1:35:00	1 D 18 H 37 M 00 S	Line taken OOS for maintenance 3/30 06:58, back in service 4/1 01:35.		
	Four Corners 345/500kV Transformer	15-Oct-94 Sat	5:58:00	20:06:00	0 D 14 H 08 M 00 S	Taken OOS for maintenance.	N/A	
	Frequency Excursion	17-Jan-94 Mon	5:35:00			L.C.. earthquake - 6.6 Richter .		
	Greenlee - AEPCO	18-May-94 Wed	5/18/94 7:06	5/20/94 11:45	2 D 4 H 39 M 00 S	Interconnection OOS for AEPCO transformer maintenance.		
	Greenlee - Hidalgo	12-Jan-94 Wed	10:10:00	17:05:00	0 D 6 H 55 M 00 S	Line OOS for maintenance (EPE), Greenlee - Vail line was also OOS from 08:08 to 13:48 to replace BO CCVT.		
	Greenlee - Hidalgo	13-Jan-94 Thu	10:25:00	17:05:00	0 D 6 H 40 M 00 S	Opened for line maintenance and to repair line switch GL 312 L.		
	Liberty - Mead 345kV	10-Feb-94 Thu	12:27:00	17:26:00	0 D 4 H 59 M 00 S	OOS to replace gun shot insulators.		
	Liberty - Mead 345kV	25-Mar-94 Fri	16:50	18:08	1 D 1 H 18 M 00 S	Line relayed 3/25 at 16:50, back in service 3/26 @ 18:08.	???	
	Liberty - Mead 345kV	4-Apr-94 Mon	11:18:00	11:45:00	0 D 0 H 27 M 00 S	Relayed, WAPA's relay crew was working there. 4/5/94 WAPA found CT on the wrong tap.		
	Liberty - Mead 345kV	25-Apr-94 Mon	8:57	15:46:00	3 D 6 H 49 M 00 S	Line taken OOS for maintenance 4/25, back in 4/28.		
	Mckinley - Yah-Ta-Hey	18-Apr-94 Mon	4/18/94 10:47	4/22/94 8:37	3 D 21 H 50 M 00 S	Ya ta Hey transformer (PNM) OOS for maintenance. OOS 4/18, in 4/22.	N/A	
	Palo Verder - Westwing No. 2 500 kV	2-Nov-94 Wed	6:45:00	15:52:00	0 D 9 H 07 M 00 S	Line taken OOS for disconnect repair.	NA	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Saguaro T-1 138/115 kV	18-Aug-94 Thu	8/18/94 11:00	8/30/94 11:55	12 D 0 H 55 M 00 S	OOS for relay re-wiring.		
	San Juan - Four Corners	28-May-94 Sat	18:48:00	18:51:00	0 D 0 H 03 M 00 S	Relayed, no cause given.	???	
	San Juan - Four Corners	28-Aug-94 Sun	4:53:00	4:55:00	0 D 0 H 02 M 00 S	Line tripped, no reason recorded, storm season?	Storm?	
	Springerville - Luna 345 kV Line	30-Jan-94 Sun	14:05:34	14:07:55	0 D 0 H 02 M 21 S		???	
	Springerville - Luna 345 kV Line	30-Jan-94 Sun	14:05:34	14:07:55	0 D 0 H 02 M 21 S	Line relayed.	???	
	Springerville - Luna 345 kV Line	12-Feb-94 Sat	3:24:00	3:29:00	0 D 0 H 05 M 00 S	Line opened ended at Luna, closed in by PNM, EPE reported Diablo, Newman, Springerville PCB at Luna tripped, but no bus diff., they reported high winds and debris were the cause.	High Winds	
	Springerville - Luna 345 kV Line	22-Mar-94 Tue				HH helicopter patrol, check OK.	N/A	
	Springerville - Luna 345 kV Line	16-Apr-94 Sat	4:44:00	4:46:00	0 D 0 H 02 M 00 S	Unknown why.	Windy	
	Springerville - Luna 345 kV Line	23-Apr-94 Sat	13:39:54	13:41:40	0 D 0 H 01 M 46 S	Line tripped, PNM reported thunder storm in area.	Storm	
	Springerville - Luna 345 kV Line	26-Apr-94 Tue	10:52:00	23:19:00	0 D 12 H 27 M 00 S	Opened for structure fire E/O Nut. Closed 23:19, closing angle 20 degrees.	???	
	Springerville - Luna 345 kV Line	3-Jun-94 Fri	10:09:00	10:14:00	0 D 0 H 05 M 00 S		???	
	Springerville - Luna 345 kV Line	10-Jun-94 Fri	21:05:00	21:07:00	0 D 0 H 02 M 00 S		????	

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Springerville - Luna 345 kV Line	4-Jul-94 Mon	8:20:00	8:24:00	0 D 0 H 04 M 00 S	Unknown.	???	
	Springerville - Luna 345 kV Line	4-Jul-94 Mon	10:00:00	10:04:00	0 D 0 H 04 M 00 S	Unknown.	???	
	Springerville - Luna 345 kV Line	11-Jul-94 Mon	12:48:00	12:52:00	0 D 0 H 04 M 00 S	Unknown.	???	
	Springerville - Luna 345 kV Line	13-Jul-94 Wed	8:32:00	8:36:00	0 D 0 H 04 M 00 S	Trip, unknown.	Not recorded and/or known	
	Springerville - Luna 345 kV Line	18-Jul-94 Mon	4:42:00	4:44:00	0 D 0 H 02 M 00 S	SP 370 C broke, repaired and closed @ 15:03. Reports of Lightning by EPE & PNM.	Storm	
	Springerville - Luna 345 kV Line	22-Jul-94 Fri	4:32:00	4:35:00	0 D 0 H 03 M 00 S	SP 370 C would not close.	???	
	Springerville - Luna 345 kV Line	23-Jul-94 Sat	13:02:00	13:07:00	0 D 0 H 05 M 00 S		???	
	Springerville - Luna 345 kV Line	15-Aug-94 Mon	15:08:07	15:10:53	0 D 0 H 02 M 46 S	Storm in area.	Storm	
	Springerville - Luna 345 kV Line	19-Oct-94 Wed				Helicopter patrol this date, infrared at 81 degree F, all dead ends, sleeves & connectors checked below 81 degree F from Springerville sub to end of corridor.	N/A	
	Vail - Bicknell 345kV	24-Feb-94 Thu	11:25:00	11:27:00	0 D 0 H 02 M 00 S	Line open ended at Vail, AEPCO crew at Vail, note: TEP end was closed AEPCO's opened, AEPCO closed.	Clear	
	Vail - Bicknell 345kV	24-Feb-94 Thu	12:13:00	???	???	AEPCO end opened, they closed their end.	Clear	
	Vail - Bicknell 345kV	22-May-94 Sun	7:22:00	13:10:00	2 D 5 H 48 M 00 S	Bicknell transformer work.		

Tucson Electric Power 1994

Critical Customer Pin	CIRCUIT	DATE	TIME OUT	TIME IN	OUT OF SERVICE TIME	REMARKS	WEATHER	Substations Affected
	Vail - Bicknell 345kV	19-Aug-94 Fri	9:47:00	13:02:00	0 D 3 H 15 M 00 S	Line opened for maintenance.	N/A	
	Vail - Bicknell 345kV	21-Aug-94 Sun	19:45:00	14:24:00	4 D 18 H 39 M 00 S	Wood pole structure down one span out from Bicknell Sub, back in 8/26 14:24.	Storm	
	Vail - Bicknell 345kV	26-Aug-94 Fri	20:41:15	20:42:42	0 D 0 H 01 M 27 S	Storm.	Storm	
	West Mesa - Arroyo 345kV	24-Jun-94 Fri	12:24:00	18:39:00	0 D 6 H 15 M 00 S	Line trip due to tree.	Clear	
	West Mesa - Arroyo 345kV	25-Jun-94 Sat	9:57:00	21:25:00	0 D 11 H 28 M 00 S	Tree problem?	N/A	
	West Mesa - Arroyo 345kV	26-Jun-94 Sun	11:38:00	11:57:00	0 D 0 H 19 M 00 S	Tree problem?	N/A	
	West Mesa - Arroyo 345kV	26-Jun-94 Sun	12:13:00	20:17:00	0 D 8 H 04 M 00 S	EPE removed some trees.	N/A	
	West Mesa - Arroyo 345kV	27-Jun-94 Mon	6:38:00	7:07:00	0 D 0 H 29 M 00 S	No reason recorded for line tripping.	N/A	

INTERCHANGE PURCHASE AND SALE PRICES

1994

ITEM B 2(f)

	SALES			PURCHASES		
	MWH	$	$/MWH	MWH	$	$/MWH
January	154,100	3,378,516	21.92	15,872	337,451	21.26
February	118,683	3,016,675	25.42	137,146	3,389,124	24.71
March	201,958	3,990,527	19.76	14,587	323,141	22.15
April	102,078	2,093,907	20.51	93,280	1,964,194	21.06
May	143,288	2,651,578	18.51	35,511	793,746	22.35
June	124,263	2,797,175	22.51	90,564	2,121,299	23.42
July	100,176	2,102,466	20.99	75,891	1,750,825	23.07
August	126,130	2,774,112	21.99	60,321	1,501,578	24.89
September	148,224	2,929,607	19.76	23,957	540,621	22.57
October	216,104	3,872,093	17.92	6,558	101,433	15.47
November	245,849	4,665,068	18.98	11,115	197,605	17.78
December	265,070	5,206,317	19.64	8,107	128,770	15.88
TOTAL	**1,945,923**	**39,478,041**	**20.29**	**572,909**	**13,149,787**	**22.95**

ENERGY LOSSES

1994

ITEM B 2(g)

Total energy losses for **1994** were **756,332** MWh or **9.8487%** of total energy.

COGENERATION AND SELF-GENERATION
1994

ITEM B 3

TEP has limited data on customer's abilities for self-generation. Below is a customer list; most of the capability is for emergency backup.

	EMERGENCY BACKUP	CAPABILITY ABOVE BACKUP	OTHER	TEP CONNECT
City/County Sewage Treatment		x		
St. Joseph's Hospital		x		
U. S. West	x			
Burr Brown	x			
Fire and Police Building	x			
Pima County Government	x			
Tucson Airport	x			
University of Arizona	x			
ASARCO Inc.	x			
Fry's	x			
Tucson Water District	x			
Hughes Aircraft	x			
Gates Learjet	x			
Smith's	x			
Westin Resort	x			
Academy Surgical Center	x			
Palo Verde Hospital	x			
Kino Community Hospital	x			
El Dorado Hospital	x			
Northwest Hospital	x			
Tucson Medical Center	x	x		x
U. S. Border Patrol	x			
Mervyn's	x			
Tucson City Government	x			
Tucson Convention	x			
University Medical	x			
Sonoran Desert Hospital	x			
Tucson General Hospital	x			
Charter Hospital	x			
St. Mary's Hospital	x			
Loews Ventana Canyon	x			
Sheraton Tucson	x			
Citibank Tower	x	x		
Arizona Dept. of Corrections	x (partial)			
American Airlines	x			
AT&T	x			
Foleys	x (partial)			

MAP OF TRANSMISSION SYSTEM
1994

ITEM B 4

Attached is a map of Tucson Electric Power Company's transmission system.

OVERSIZED MAP

-Transmission Systems Single Line Schematic

TO REVIEW SEE DOCKET SUPERVISOR

DOCKET E-00000D-93-0052