

***Generation Interconnection
Feasibility Study Report***

For

***PJM Generation Interconnection Request
Queue Position Y2-079***

Lakewood #2 230kV

March 2013

Preface

The intent of the feasibility study is to determine a plan, with ballpark cost and construction time estimates, to connect the subject generation to the PJM network at a location specified by the Interconnection Customer. The Interconnection Customer may request the interconnection of generation as a capacity resource or as an energy-only resource. As a requirement for interconnection, the Interconnection Customer may be responsible for the cost of constructing: (1) Direct Connections, which are new facilities and/or facilities upgrades needed to connect the generator to the PJM network, and (2) Network Upgrades, which are facility additions, or upgrades to existing facilities, that are needed to maintain the reliability of the PJM system.

In some instances a generator interconnection may not be responsible for 100% of the identified network upgrade cost because other transmission network uses, e.g. another generation interconnection, may also contribute to the need for the same network reinforcement. The possibility of sharing the reinforcement costs with other projects may be identified in the feasibility study, but the actual allocation will be deferred until the impact study is performed.

The Feasibility Study estimates do not include the feasibility, cost, or time required to obtain property rights and permits for construction of the required facilities. The project developer is responsible for the right of way, real estate, and construction permit issues. For properties currently owned by Transmission Owners, the costs may be included in the study.

General

The Interconnection Customer (IC), has proposed an uprate to an existing natural gas generating facility located in Lakewood, New Jersey. This projects requests an increase to the install capability of 200 MW with 200 MW of this output being recognized by PJM as capacity. The installed facilities will have a total capability of 588 MW with 516.2 MW of this output being recognized by PJM as capacity. This means that the remaining 71.8 MW will be curtailable should a system reliability constraint occur. The proposed in-service date for this project is June 1, 2016. **This study does not imply a FirstEnergy commitment to this in-service date.**

Point of Interconnection

Y2-079 will interconnect with the Jersey Central Power & Light transmission system at the Lakewood 230kV substation.

Cost Summary

The Y2-079 project will be responsible for the following costs:

Description	Total Cost
Attachment Facilities	\$ 0
Direct Connection Network Upgrades	\$ 0
Non Direct Connection Network Upgrades	\$ 14,700
Total Costs	\$ 14,700

In addition, the Y2-079 project may be responsible for a contribution to the following costs:

Description	Total Cost
New System Upgrades	\$ 0
Previously Identified Upgrades	\$ 350,831,600
Total Costs	\$ 350,831,600

Cost allocations for these upgrades will be provided in the System Impact Study Report.

Attachment Facilities

No new Attachment Facilities are require to support this upgrade.

Direct Connection Cost Estimate

No new Direct Connection Facilities are require to support this upgrade.

Non-Direct Connection Cost Estimate

FirstEnergy will be required to make changes to the existing relay protection at the Lakewood substation. The total preliminary cost estimate for this work is \$14,700, excluding CIAC tax gross up.

Interconnection Customer Requirements

In addition to the FE facilities, the Interconnection Customer will also be responsible for meeting all criteria as specified in the applicable sections of the "FE Requirements for Transmission Connected Facilities" document including:

1. The purchase and installation of the minimum required FE generation interconnection relaying and control facilities. This includes over/under voltage protection, over/under frequency protection, and zero sequence voltage protection relays.
2. The purchase and installation of the standard voice grade (analog) telephone line and associated conduit between the telephone company source and the meter socket or enclosure.
3. The purchase and installation of a 230 kV interconnection metering instrument transformer. FE will provide the ratio and accuracy specifications based on the customer load and generation levels.
4. The purchase and installation of a revenue class meter for the Interconnection Customer to measure the power delivered in compliance with the FE standards.
5. A compliance with the FE and PJM generator power factor and voltage control requirements.
6. The purchase and installation of supervisory control and data acquisition (SCADA) equipment to provide information in a compatible format to the FE Transmission System Control Center. The RTU, the communications channel and all related equipment will be furnished and maintained by the IC. The RTU must communicate with the FirstEnergy EMS via DNP 3.0 protocol.
7. The following status and metering points will be required:

- Interconnection breaker position.
 - Generator real and reactive power output measured at the high-side of the generator step-up transformer.
 - Generator voltage at the point of interconnection.
8. The establishment of dedicated communication circuits for SCADA report to the FE Transmission System Control Center.
9. For a 200 MW increase in generation due to upgrades on evaporative cooling on Units 1 and 2 and installation of new gas turbine Unit 3, additional protection requirements are:
- Add SEL-351-7 (Version 7- For power elements) Intertie relay
 - Potential transformer or CCVT's on the high side of the transformer - for intertie relay
 - Current transformers on the high side of the transformer - for intertie relay

System Protection Analysis

An analysis was conducted to assess the impact of the Y2-079 Generation Project on the system protection requirements in the area. The results of this review have identified the following:

Fault currents at the 230 kV Lakewood Cogen substation are listed below.

	Three Phase	Line-Ground
X/R Ratio	15.9	12.0
Fault Current (Amps)	27,899	29,174

These values are for the current system configuration. Any system changes in the area could have a significant impact on these values. It will be the Interconnection Customer's responsibility to make any protection upgrades required should this occur.

Revenue Metering and SCADA Requirements

PJM Requirements

The Interconnection Customer will be required to install equipment necessary to provide Revenue Metering (KWH, KVARH) and real time data (KW, KVAR) for IC's generating Resource. See PJM Manuals M-01 and M-14D, and PJM Tariff Sections 24.1 and 24.2.

FirstEnergy Requirements

The Interconnection Customer will be required to comply with all FE Revenue Metering Requirements for Generation Interconnection Customers. The Revenue Metering Requirements may be found within the "FirstEnergy Requirements for Transmission Connected Facilities" document located at the following links:

<http://www.firstenergycorp.com/feconnect>

<http://www.pjm.com/planning/design-engineering/to-tech-standards.aspx>

Network Impacts

The Queue Project #Y2-079 was studied as a 200.0MW (Capacity 200.0MW) injection at the Lakewood 230 kV substation in the JCPL area. Project #Y2-079 was evaluated for compliance with reliability criteria for summer peak conditions in 2016. Potential network impacts were as follows:

Contingency Descriptions

The following contingencies resulted in overloads:

Contingency Name	Description
AP_C5_19	CONTINGENCY 'AP_C5_19' /BRIGHTON LOOP OPEN BRANCH FROM BUS 200003 TO BUS 235105 CKT 1 OPEN BRANCH FROM BUS 200003 TO BUS 200004 CKT 1 END
B_CNJ2-SX-#36	CONTINGENCY 'B_CNJ2-SX-#36' /* RARITAN RIVER - RED OAK - PARLIN (G1047) 230 KV LINE DISCONNECT BRANCH FROM BUS 206305 TO BUS 206315 CKT 1 DISCONNECT BRANCH FROM BUS 206315 TO BUS 295950 CKT 1 DISCONNECT BUS 206315 DISCONNECT BUS 206362 DISCONNECT BUS 206365 END
B_CNJ2-SX-#37	CONTINGENCY 'B_CNJ2-SX-#37' /* RARITAN RIVER - RED OAK - SOUTH RIVER (T1034) 230 KV DISCONNECT BRANCH FROM BUS 206305 TO BUS 206314 CKT 1 DISCONNECT BRANCH FROM BUS 206314 TO BUS 295951 CKT 1 / BUS 206321 -> 295951 DUE TO R11 B. FEB. 17, 2009. DISCONNECT BUS 206314 DISCONNECT BUS 206363 DISCONNECT BUS 206364 END
B_NJC2-SX-#10	CONTINGENCY 'B_NJC2-SX-#10' /* RARITAN RIVER - LAKE NELSON (I1023) 230 KV LINE DISCONNECT BUS 218331 /* KILMER I MOVE 100 PERCENT LOAD FROM BUS 218384 TO BUS 218386 MOVE 100 PERCENT LOAD FROM BUS 218385 TO BUS 218387 END
B_NJC2-SX-#12	CONTINGENCY 'B_NJC2-SX-#12' /* RARITAN RIVER - LAKE NELSON (W1037) 230 KV LINE DISCONNECT BUS 218332 /* KILMER W MOVE 100 PERCENT LOAD FROM BUS 218386 TO BUS 218384 MOVE 100 PERCENT LOAD FROM BUS 218387 TO BUS 218385 END

Contingency Name	Description
BG_CKT2315	CONTINGENCY 'BG_CKT2315' /* RAPHAEL RD TO NORTHEAST CKT #2315 & NORTHEAST 230-3 DISCONNECT BRANCH FROM BUS 220980 TO BUS 220979 CKT 1 /* CKT #2315 NORTHEAST TO RAPHAEL RD DISCONNECT BRANCH FROM BUS 220979 TO BUS 221112 CKT 1 /* NORTHEAST 230-3 TRANSFORMER END
BG_CKT2339	CONTINGENCY 'BG_CKT2339' /* NORTHEAST TO RIVERSIDE CKT #2339 DISCONNECT BRANCH FROM BUS 220977 TO BUS 220965 CKT 1 /*CKT #2339 RIVERSIDE TO NORTHEAST DISCONNECT BRANCH FROM BUS 220965 TO BUS 221112 CKT 1 /* NORTHEAST 230-2 TRANSFORMER END
C2_CNJ2-SB-#22	CONTINGENCY 'C2_CNJ2-SB-#22' /* RARITAN RIVER-LAKE NELSON (W1037) & RAR RIVER 230/115 KV BK 15 DISCONNECT BUS 218332 DISCONNECT BRANCH FROM BUS 206305 TO BUS 206350 TO BUS 206351 CKT 1 REMOVE MACHINE 1 FROM BUS 206350 REMOVE MACHINE 2 FROM BUS 206350 REMOVE MACHINE 1 FROM BUS 206351 REMOVE MACHINE 2 FROM BUS 206351 DISCONNECT BUS 206350 DISCONNECT BUS 206351 END
C2_CNJ2-SB-#24	CONTINGENCY 'C2_CNJ2-SB-#24' /* RARITAN RIVER - LAKE NELSON (I1023) & RARITAN RIVER #15 DISCONNECT BUS 218331 DISCONNECT BRANCH FROM BUS 206305 TO BUS 206350 TO BUS 206351 CKT 1 REMOVE MACHINE 1 FROM BUS 206350 REMOVE MACHINE 2 FROM BUS 206350 REMOVE MACHINE 1 FROM BUS 206351 REMOVE MACHINE 2 FROM BUS 206351 DISCONNECT BUS 206350 DISCONNECT BUS 206351 END
C2_CNJ2-SX-#27	CONTINGENCY 'C2_CNJ2-SX-#27' /* RARITAN RIVER-RED OAK-PARLIN (G1047) & RARITAN RIVER #15 DISCONNECT BRANCH FROM BUS 206305 TO BUS 206315 CKT 1 DISCONNECT BRANCH FROM BUS 206315 TO BUS 295950 CKT 1 DISCONNECT BUS 206315 DISCONNECT BUS 206362 DISCONNECT BUS 206365 DISCONNECT BRANCH FROM BUS 206305 TO BUS 206350 TO BUS 206351 CKT 1 REMOVE MACHINE 1 FROM BUS 206350 REMOVE MACHINE 2 FROM BUS 206350 REMOVE MACHINE 1 FROM BUS 206351 REMOVE MACHINE 2 FROM BUS 206351 DISCONNECT BUS 206350 DISCONNECT BUS 206351 END

Contingency Name	Description
C2_CNJ2-SX-#29	CONTINGENCY 'C2_CNJ2-SX-#29' /* RARITAN RIVER-RED OAK-SOUTH RIVER (T1034) & RARITAN RIVER #15 DISCONNECT BRANCH FROM BUS 206305 TO BUS 206314 CKT 1 DISCONNECT BRANCH FROM BUS 206314 TO BUS 295951 CKT 1 /* BUS 206321 IS REPLACED WITH 295951 DUE TO R11 B. FEB. 17, 2009. DISCONNECT BUS 206314 DISCONNECT BUS 206363 DISCONNECT BUS 206364 DISCONNECT BRANCH FROM BUS 206305 TO BUS 206350 TO BUS 206351 CKT 1 REMOVE MACHINE 1 FROM BUS 206350 REMOVE MACHINE 2 FROM BUS 206350 REMOVE MACHINE 1 FROM BUS 206351 REMOVE MACHINE 2 FROM BUS 206351 DISCONNECT BUS 206350 DISCONNECT BUS 206351 END
C5_CNJ-DCT-#10	CONTINGENCY 'C5_CNJ-DCT-#10' /* LAKEWOOD - LARRABEE 230 KV LINES DISCONNECT BRANCH FROM BUS 206323 TO BUS 206294 CKT 2 DISCONNECT BRANCH FROM BUS 206323 TO BUS 206294 CKT 1 DISCONNECT BRANCH FROM BUS 206294 TO BUS 206274 CKT 1 END
CHI230B1/* \$ DELCO \$ CHI230B1 \$ B	CONTINGENCY 'CHI230B1/* \$ DELCO \$ CHI230B1 \$ B' DISCONNECT BUS 213489 /* CHICHST1 230.00 \$ DELCO \$ CHI230B1 \$ B END /* \$ DELCO \$ CHI230B1 \$ B
CHIC125/* \$ DELCO \$ CHIC125 \$ K	CONTINGENCY 'CHIC125/* \$ DELCO \$ CHIC125 \$ K' TRIP BRANCH FROM BUS 213489 TO BUS 213490 CKT 1 /* CHICHST1 230.00 CHICHST2 230.00 \$ DELCO \$ CHIC125 \$ K END /* \$ DELCO \$ CHIC125 \$ K
CHICH045/* \$ DELCO \$ CHICH045 \$ STBK	CONTINGENCY 'CHICH045/* \$ DELCO \$ CHICH045 \$ STBK' DISCONNECT BUS 213489 /* CHICHST1 230.00 \$ DELCO \$ CHICH045 \$ STBK DISCONNECT BUS 213627 /* FOULK8 230.00 \$ DELCO \$ CHICH045 \$ STBK END /* \$ DELCO \$ CHICH045 \$ STBK
CNSTN_NWEST	CONTINGENCY 'CNSTN_NWEST' /* CONASTONE TO NORTHWEST CKTS #2310 & #2322 DISCONNECT BRANCH FROM BUS 220963 TO BUS 220962 CKT 1 /* CONASTONE TO NORTHWEST CKT#2310 DISCONNECT BRANCH FROM BUS 220963 TO BUS 220961 CKT 1 /* CONASTONE TO NORTHWEST CKT #2322 END
PJM17	CONTINGENCY 'PJM17' DISCONNECT BRANCH FROM BUS 200004 TO BUS 200013 CKT 1 /* CNASTONE PEACHBTM 500 500 END

Contingency Name	Description
PJM39_B	CONTINGENCY 'PJM39_B' DISCONNECT BRANCH FROM BUS 912140 TO BUS 200016 CKT 1 /* X4-020 TAP 3 MILE I 500 500 END
PJM64	CONTINGENCY 'PJM64' OPEN LINE FROM BUS 200010 TO BUS 200027 CIRCUIT 1 /* KEENEY EHV - RED LION 500 END
PJM69	CONTINGENCY 'PJM69' DISCONNECT BRANCH FROM BUS 200021 TO BUS 200009 CKT 1 /* SUNBURY JUNIATA 500 500 DISCONNECT BRANCH FROM BUS 200021 TO BUS 200022 CKT 2 /* SUNBURY SUSQHANA 500 500 / CKT 1 -> 2 DISCONNECT BRANCH FROM BUS 200021 TO BUS 208109 CKT 24 /* SUNBURY SUNBURY 500 230 END
PJM8BG	CONTINGENCY 'PJM8BG' /* CONASTONE BREAKER B (TIE BREAKER) DISCONNECT BRANCH FROM BUS 200004 TO BUS 200013 CKT 1 /* CNASTONE PEACHBTM 500500 DISCONNECT BRANCH FROM BUS 200004 TO BUS 220963 CKT 2 /* CNASTONE CONASTNE 500230 END
PJM9BG	CONTINGENCY 'PJM9BG' /* CONASTONE BREAKER H DISCONNECT BRANCH FROM BUS 200004 TO BUS 200100 CKT 1 /* CNASTONE CAP DISCONNECT BRANCH FROM BUS 200004 TO BUS 220963 CKT 1 /* CNASTONE BRIGHTON 500230 DISCONNECT BRANCH FROM BUS 200004 TO BUS 220963 CKT 2 /* CNASTONE BRIGHTON 500230 END
PP1E_NO EMORYGROVE	CONTINGENCY 'PP1E_NO EMORYGROVE' / NO PATH OPEN BRANCH FROM BUS 200003 TO BUS 200004 CKT 1 / 200003 BRIGHTON 500 200004 CNASTONE 500 1 END

Generator Deliverability

(Single or N-1 contingencies for the Capacity portion only of the interconnection)

None.

Light Load Analysis

Light Load Studies to be conducted during later study phases (applicable to wind, coal, nuclear, and pumped storage projects).

None

Multiple Facility Contingency

(Double Circuit Tower Line contingencies were studied for the full energy output. The contingencies of Line with Failed Breaker and Bus Fault will be performed for the Impact Study.)

None

Short Circuit

(Summary of impacted circuit breakers)

None

Contribution to Previously Identified Overloads

(This project contributes to the following contingency overloads, i.e. "Network Impacts", identified for earlier generation or transmission interconnection projects in the PJM Queue)

#	Contingency		Affected Area	Facility Description	Bus			Power Flow	Loading %		Rating		MW Contribution	Ref
	Type	Name			From	To	Circuit		Initial	Final	Type	MVA		
1	DCTL	CNSTN_NWE ST	BGE/PEPCO	CNASTONE-BRIGHTON 500 kV line	200004	200003	1	DC	103.00	103.01	ER	2,815	41.74	1
2	N-1	B_CNJ2-SX-#36	JCPL	RED OAKA-RAR RVR 230 kV line	206314	206305	1	DC	100.65	103.81	ER	1,068	33.83	2
3	N-1	PJM64	DPL	RL_230-KEEN_230 230 kV line	231004	231003	1	DC	104.75	105.02	ER	1,036	17.21	3
4	Non	Non	PECO	RICHMOND-WANEETA3 230 kV line	213922	214012	1	DC	102.35	102.75	NR	760	19.13	4
5	N-1	B_CNJ2-SX-#37	JCPL	RED OAKB-RAR RVR 230 kV line	206315	206305	1	DC	103.93	107.08	ER	1,068	33.70	5
6	N-1	BG_CKT2315	BGE	RAPHAEL-NEAST339 230 kV line	220980	220965	1	DC	108.71	108.84	ER	739	10.26	6
7	N-1	BG_CKT2339	BGE	RAPHAEL-NEAST317 230 kV line	220980	220979	1	DC	109.20	109.30	ER	739	10.32	7
8	LFFB	C2_CNJ2-SX-#27	JCPL	R11 B-RED OAKA 230 kV line	295951	206314	1	DC	108.31	112.56	ER	805	34.21	8
9	LFFB	PJM9BG	BGE/PEPCO	CNASTONE-BRIGHTON 500 kV line	200004	200003	1	DC	114.92	114.94	ER	2,815	42.18	9
10	LFFB	C2_CNJ2-SX-#27	JCPL	RED OAKA-RAR RVR 230 kV line	206314	206305	1	DC	113.33	116.49	ER	1,068	33.83	10
11	N-1	PPIE_NO EMORYGROVE	BGE	CONASTON-NWEST311 230 kV line	220963	220962	1	DC	118.30	118.31	ER	941	11.48	11
12	LFFB	C2_CNJ2-SX-#29	JCPL	RED OAKB-RAR RVR 230 kV line	206315	206305	1	DC	116.56	119.71	ER	1,068	33.70	12
13	Non	Non	JCPL/PSEG	RAR RVR-KILMER W 230 kV line	206305	218332	1	DC	119.90	120.41	NR	650	20.43	13
14	N-1	CHIC125/* \$ DELCO \$ CHIC125 \$ K	PECO	RICHMOND-WANEETA3 230 kV line	213922	214012	1	DC	118.06	118.32	ER	1,195	19.62	14
15	Non	Non	JCPL/PSEG	RAR RVR-KILMER I 230 kV line	206305	218331	1	DC	121.75	122.26	NR	650	20.59	15

#	Contingency		Affected Area	Facility Description	Bus			Power Flow	Loading %		Rating		MW Contribution	Ref
	Type	Name			From	To	Circuit		Initial	Final	Type	MVA		
16	N-1	PJM69	PENELEC	OXBOW-N.MESHPN 230 kV line	200708	200706	1	DC	114.29	114.59	ER	608	11.14	16
17	N-1	PP1E_NO EMORYGROV E	BGE	CONASTON-NWEST326 230 kV line	220963	220961	1	DC	124.00	124.01	ER	874	11.27	17
18	DCTL	AP_C5_19	BGE	CONASTON-NWEST326 230 kV line	220963	220961	1	DC	124.78	124.79	ER	874	10.88	18
19	N-1	B_NJC2-SX- #10	PSEG	L.NELSNW-MIDDLESEX2 230 kV line	218334	218522	1	DC	125.34	125.93	ER	1,000	36.10	19
20	Non	Non	PSEG/PECO	CAMDEN-RICHMOND 230 kV line	219125	213922	1	DC	121.06	121.40	NR	836	17.60	20
21	N-1	PJM69	PENELEC/ PPL	LACK-OXBOW 230 kV line	208009	200708	1	DC	120.08	120.37	ER	617	11.34	21
22	N-1	CHIC125/* \$ DELCO \$ CHIC125 \$ K	PSEG/PECO	CAMDEN-RICHMOND 230 kV line	219125	213922	1	DC	123.97	124.20	ER	1,274	18.10	22
23	N-1	PJM17	PPL/METED	X4-020 TAP-3 MILE I 500 kV line	912140	200016	1	DC	131.78	131.86	ER	2,598	30.57	23
24	LFFB	C2_CNJ2-SB- #24	PSEG	L.NELSNW-MIDDLESEX2 230 kV line	218334	218522	1	DC	132.65	133.23	ER	1,000	36.10	24
25	BUS	CHI230B1/* \$ DELCO \$ CHI230B1 \$ B	PSEG/PECO	CAMDEN-RICHMOND 230 kV line	219125	213922	1	DC	131.33	131.56	ER	1,274	18.01	25
26	LFFB	CHICH045/* \$ DELCO \$ CHICH045 \$ STBK	PSEG/PECO	CAMDEN-RICHMOND 230 kV line	219125	213922	1	DC	131.33	131.56	ER	1,274	18.01	26
27	N-1	B_NJC2-SX- #12	PSEG	L.NELSN-MIDDLESEX 230 kV line	218333	218301	1	DC	135.59	136.28	ER	831	35.23	27
28	BUS	CHI230B1/* \$ DELCO \$ CHI230B1 \$ B	PECO	RICHMOND-WANEETA3 230 kV line	213922	214012	1	DC	134.24	134.51	ER	1,195	19.53	28
29	LFFB	CHICH045/* \$ DELCO \$ CHICH045 \$ STBK	PECO	RICHMOND-WANEETA3 230 kV line	213922	214012	1	DC	134.24	134.51	ER	1,195	19.53	29
30	LFFB	C2_CNJ2-SB- #22	PSEG	L.NELSN-MIDDLESEX 230 kV line	218333	218301	1	DC	144.19	144.87	ER	831	35.23	30

#	Contingency		Affected Area	Facility Description	Bus			Power Flow	Loading %		Rating		MW Contribution	Ref
	Type	Name			From	To	Circuit		Initial	Final	Type	MVA		
31	N-1	PJM17	PECO/BGE	COOPER-GRACETON 230 kV line	214084	220964	1	DC	146.21	146.33	ER	578	16.45	31
32	N-1	PJM17	PPL/BGE	SAHA34TP-GRACETON 230 kV line	208071	220964	1	DC	146.89	146.90	ER	485	10.61	32
33	N-1	B_NJC2-SX-#10	PSEG	KILMER W-L.NELSNW 230 kV line	218332	218334	1	DC	146.77	147.43	ER	872	36.10	33
34	N-1	PJM17	METED/BGE	OTCR-CONASTON 230 kV line	208048	220963	1	DC	147.85	147.86	ER	531	13.37	34
35	N-1	B_NJC2-SX-#12	PSEG	KILMER I-L.NELSN 230 kV line	218331	218333	1	DC	147.26	147.93	ER	872	36.18	35
36	N-1	PJM17	PPL/METED	BRIS-YORKANA 230 kV line	207922	204515	1	DC	148.34	148.77	ER	617	10.03	36
37	N-1	PJM17	PECO	NOTTREAC-PCHBTMTP 230 kV line	213846	213869	1	DC	149.22	149.34	ER	578	16.45	37
38	N-1	PJM17	PECO	PCHBTMTP-COOPER 230 kV line	213869	214084	1	DC	149.22	149.34	ER	578	16.45	38
39	Non	Non	PENELEC/PPL	LACK-OXBOW 230 kV line	208009	200708	1	DC	144.40	144.65	NR	488	10.12	39
40	N-1	PJM17	PECO	NOTTNGHM-NOTTREAC 230 kV line	213844	213846	1	DC	152.12	152.24	ER	567	16.45	40
41	N-1	PJM17	METED	3 MILE I 500/230 kV transformer	200016	204514	2	DC	153.78	153.82	ER	1,072	21.26	41
42	LFFB	PJM8BG	METED	3 MILE I 500/230 kV transformer	200016	204514	2	DC	155.12	155.15	ER	1,072	21.09	42
43	LFFB	C2_CNJ2-SB-#24	PSEG	KILMER W-L.NELSNW 230 kV line	218332	218334	1	DC	155.15	155.81	ER	872	36.10	43
44	LFFB	PJM8BG	PECO	COOPER-GRACETON 230 kV line	214084	220964	1	DC	156.07	156.14	ER	578	16.22	44
45	LFFB	C2_CNJ2-SB-#22	PSEG	KILMER I-L.NELSN 230 kV line	218331	218333	1	DC	155.65	156.32	ER	872	36.18	45
46	LFFB	PJM8BG	PECO	NOTTREAC-PCHBTMTP 230 kV line	213846	213869	1	DC	158.30	158.37	ER	578	16.22	46
47	LFFB	PJM8BG	PECO	PCHBTMTP-COOPER 230 kV line	213869	214084	1	DC	158.30	158.37	ER	578	16.22	47
48	LFFB	PJM8BG	PECO	NOTTNGHM-NOTTREAC 230 kV line	213844	213846	1	DC	161.37	161.44	ER	567	16.22	48

#	Contingency		Affected Area	Facility Description	Bus			Power Flow	Loading %		Rating		MW Contribution	Ref
	Type	Name			From	To	Circuit		Initial	Final	Type	MVA		
49	Non	Non	PECO	PEACHBTM-CNASTONE 500 kV line	200013	200004	1	DC	162.10	162.14	NR	2,490	63.10	49
50	N-1	PJM39_B	PECO	PEACHBTM-CNASTONE 500 kV line	200013	200004	1	DC	166.11	166.18	ER	2,815	63.43	50
51	N-1	B_NJC2-SX-#10	JCPL/PSE G	RAR RVR-KILMER W 230 kV line	206305	218332	1	DC	174.36	175.08	ER	805	36.10	51
52	LFFB	C2_CNJ2-SB-#24	JCPL/PSE G	RAR RVR-KILMER W 230 kV line	206305	218332	1	DC	175.76	176.49	ER	805	36.10	52
53	N-1	B_NJC2-SX-#12	JCPL/PSE G	RAR RVR-KILMER I 230 kV line	206305	218331	1	DC	190.50	191.29	ER	739	36.18	53
54	LFFB	C2_CNJ2-SB-#22	JCPL/PSE G	RAR RVR-KILMER I 230 kV line	206305	218331	1	DC	192.05	192.84	ER	739	36.18	54

Note: Please see Attachment 2 for projects providing impacts to flowgate violations. The values in the Reference column correspond to the proper table in the Attachment.

Steady-State Voltage Requirements

(Summary of the VAR requirements based upon the results of the steady-state voltage studies)

Will be confirmed in the System Impact Study phase.

Stability and Reactive Power Requirement for Low Voltage Ride Through

(Summary of the VAR requirements based upon the results of the dynamic studies)

Will be confirmed in the System Impact Study phase.

New System Reinforcements

(Upgrades required to mitigate reliability criteria violations, i.e. Network Impacts, initially caused by the addition of this project generation)

None

Contribution to Previously Identified System Reinforcements

(Overloads initially caused by prior Queue positions with additional contribution to overloading by this project. This project may have a % allocation cost responsibility which will be calculated and reported for the Impact Study)

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
1	CNASTONE-BRIGHTON 500 kV line	The two breaker bay at Conastone for the Brighton line is over the continuous rating. Upgrade Conastone bay with two 4000A breakers, four 4000A breaker disconnects and a 4000 A line switch need to be either.	Pending	\$ 3,000,000	\$ 3,000,000
2	RED OAKA-RAR RVR 230 kV line	Raritan River – Red Oak A (T1034) 230kV line – Reconductor the 2.6 mile line with single 1590 kcmil ACSS/AW conductor, replacing the existing 1590 kcmil ACSR conductor. Raritan River Substation – Replace the line drops and bus conductor on the line with dual 1590 ACSR.	N3628 N3629	\$ 3,665,200 \$ 58,300	\$ 3,723,500
3	RL_230-KEEN_230 230 kV line	This overload requires the replacement of a 2000A Line Trap at Keeney. The reinforcements would take 12 to 18 months to complete, assuming no major regulatory or environmental impacts.	Pending	\$ 400,000	\$ 400,000
4	RICHMOND-WANEETA3 230 kV line	Reconductor the aerial portion of the line which meets the minimum rating requirement of 2882A. This will result in a 249A = 99 MVA margin when compared to the new aerial conductor rating. Using the Pecos conductor avoids the need to rebuild the line. The total aerial mileage per the PECO 230 kV line length spreadsheet is 2.23 miles. Replace with 2-2000 kcmil AAC 127 Str (Cowslip) with emergency rating of 4130. Remove the existing two UG cables (2-3-1x3000 KCMIL CU HPOFP) and replace with two dielectric (XLPE - cross link polyethelene) cables.	Pending	\$ 15,000,000	\$ 15,000,000
5	RED OAKB-RAR RVR 230 kV line	Raritan River – Red Oak B (G1047) 230kV line – Reconductor the 2.6 mile line with single 1590 kcmil ACSS/AW conductor, replacing the existing 1590 kcmil ACSR conductor. Raritan River Substation – Replace the line drops and bus conductor on the line with dual 1590 ACSR.	N3626 N3627	\$ 4,652,300 \$ 62,000	\$ 4,714,300

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
6	RAPHAEL-NEAST339 230 kV line	To mitigate the overload requires increasing the rated conductor temp to 160°C, which attains 1153 MVA. The existing conductor is 2,167 ACSR @ 125°C. The transmission line is 3.9 miles long. Approximately 7 spans have ground clearance of less than 35 feet. Assume replacement of 5 double circuit steel poles to increase ground clearance.	Pending	\$ 6,000,000	\$ 6,000,000
7	RAPHAEL-NEAST317 230 kV line	To mitigate the overload requires increasing the rated conductor temp to 160°C, which attains 1153 MVA. The existing conductor is 2,167 ACSR @ 125°C. The transmission line is 3.9 miles long. Approximately 7 spans have ground clearance of less than 35 feet. Assume replacement of 5 double circuit steel poles to increase ground clearance.	Pending	\$ 6,000,000	\$ 6,000,000
8	R11 B-RED OAKA 230 kV line	R11 – Red Oak A (T1034) 230kV – Reconductor the 0.8 mile (R11)-Red Oak A (T1034) 230kV line with single 1590 kcmil ACSS conductor, replacing the existing single 1590 kcmil ACSR conductor. Red Oak Substation – Replace line drops and substation bus conductor in series with 230kV T1034 line with dual 1590 ACSR.	Pending	\$ 1,966,100	\$ 1,966,100
9	CNASTONE- BRIGHTON 500 kV line	This overload will be mitigated by #1 above.	N/A	\$ 0	\$ 0
10	RED OAKA-RAR RVR 230 kV line	This overload will be mitigated by #2 above.	N/A	\$ 0	\$ 0
11	CONASTON- NWEST311 230 kV line	Construct a new double circuit 230kV line from Conastone-NW using 1590 MCM conductor Conastone - install two new bays with 2 bus breakers Northwest sub - install (2) 230KV breakers on existing foundations. These breakers are 63kA. Line. 230KV line length 23.7 miles. ROW land - purchase and clear 80' x 3 miles RW (10 acres) for a 230KV double Ckt line. To build a 230KV double Ckt. Line would be.	Pending	\$ 3,600,000 \$ 700,000 \$ 63,200,000	\$ 67,500,000
12	RED OAKB-RAR RVR 230 kV line	This overload will be mitigated by #5 above.	N/A	\$ 0	\$ 0

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
13	RAR RVR-KILMER W 230 kV line	Raritan River – Kilmer (W1037) 230kV line – Reconductor the 5.9 mile Kilmer to Raritan River line with single 1590 kcmil ACSR conductor.	N3637	\$ 8,113,700	\$ 19,331,300
		Raritan River Substation – Upgrade the line drops and bus conductor on the 230kV W1037 line to bundled 1590 ACSR.	N3638	\$ 79,600	
		Raritan River – Kilmer (W1037) 230kV line – (Additional work required beyond previously identified upgrades) – Line will be reconducted with bundled 1590 kcmil ACSR conductor.	Pending	\$ 11,138,000	
14	RICHMOND-WANEETA3 230 kV line	This overload will be mitigated by #4 above.	N/A	\$ 0	\$ 0
15	RAR RVR-KILMER I 230 kV line	Raritan River – Kilmer (I1023) 230kV line – Reconductor the 5.9 mile Kilmer to Raritan River line with single 1590 kcmil ACSR conductor.	N3635	\$ 9,490,400	\$ 9,567,800
		Raritan River Substation – Upgrade the line drops and bus conductor on the 230kV I1023 line to bundled 1590 ACSR.	N3636	\$ 77,400	
		Raritan River – Kilmer (I1023) 230kV line – (Additional work required beyond previously identified upgrades) – Line will be reconducted with bundled 1590 kcmil ACSR conductor.			
16	OXBOW-N.MESHPN 230 kV line	North Meshoppen-Lackawana 230kV. Reconductor 10.58 miles of 1033 ACSR with 1033 ACSS high-temperature conductor from North Meshoppen to Oxbow. North Meshoppen Substation. At North Meshoppen, replace the 1033 AAC conductor with 1033 ACSS high temperature conductor on the Oxbow terminal.	Pending	\$ 5,988,200	\$ 5,988,200
17	CONASTON-NWEST326 230 kV line	Construct a new double circuit 230kV line from Conastone-NW using 1590 MCM conductor Conastone - install two new bays with 2 bus breakers Northwest sub - install (2) 230KV breakers on existing foundations. These breakers are 63kA. Line. 230KV line length 23.7 miles. ROW land - purchase and clear 80' x 3 miles RW (10 acres) for a 230KV double Ckt line. To build a 230KV double Ckt. Line.		\$ 3,600,000 \$ 700,000 \$ 63,200,000	\$ 67,500,000

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
18	CONASTON-NWEST326 230 kV line	This overload will be mitigated by #17 above.	N/A	\$ 0	\$ 0
19	L.NELSNW-MIDDLESEX2 230 kV line	Gillette-Lake Nelson (W1037) 230kV. Reconductor the 0.8 mile Lake Nelson to Middlesex section of the Gillette-Lake Nelson (W1037) 230kV line to reconductor with single 1590 kcmil ACSS conductor, replacing the existing single 1590 kcmil ACSR conductor. Lake Nelson Substation. Replace the drop loops on the 230kV Middlesex (W1037) line exit with dual 1590 ACSR.	Pending	\$ 1,330,400	\$ 1,330,400
20	CAMDEN-RICHMOND 230 kV line	Build new Camden – Richmond 230 kV line	Pending	\$ 4,500,000	\$ 4,500,000
21	LACK-OXBOW 230 kV line	This overload will be mitigated by a PPL-funded project to convert the Sunbury 500kV substation to a breaker-and-a-half configuration.	S0148	\$ 0	\$ 0
22	CAMDEN-RICHMOND 230 kV line	This overload will be mitigated by #20 above.	N/A	\$ 0	\$ 0
23	X4-020 TAP-3 MILE I 500 kV line	Three Mile Island Substation. Replace wave trap on 500KV 5007 line with 4000A unit.	Pending	\$ 97,200	\$ 97,200
24	L.NELSNW-MIDDLESEX2 230 kV line	This overload will be mitigated by #19 above.	N/A	\$ 0	\$ 0
25	CAMDEN-RICHMOND 230 kV line	This overload will be mitigated by #20 above.	N/A	\$ 0	\$ 0
26	CAMDEN-RICHMOND 230 kV line	This overload will be mitigated by #20 above.	N/A	\$ 0	\$ 0

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
27	L.NELSNI-MIDDLESEX 230 kV line	<p>Bridgewater-Gillette-Lake Nelson (I1023) 230kV. . Reconductor the 0.8 mile Lake Nelson to Middlesex section of the Bridgewater-Gillette-Lake Nelson (I1023) 230kV line to reconductor with single 1590 kcmil ACSS conductor, replacing the existing single 1590 kcmil ACSR.</p> <p>Middlesex Substation. Replace the drop loops on the 230kV Lake Nelson/Raritan River (I1023-3) line exit with dual 1590 ACSR.</p> <p>Middlesex Switch Substation. Replace 230 kV 2000A MOAB switch with a 3000A switch @ Middlesex</p>	Pending	\$ 1,541,300 \$ 305,500	\$ 1,846,800
28	RICHMOND-WANEETA3 230 kV line	This overload will be mitigated by #4 above.	N/A	\$ 0	\$ 0
29	RICHMOND-WANEETA3 230 kV line	This overload will be mitigated by #4 above.	N/A	\$ 0	\$ 0
30	L.NELSNI-MIDDLESEX 230 kV line	This overload will be mitigated by #27 above.	N/A	\$ 0	\$ 0
31	COOPER-GRACETON 230 kV line	<p>PECO: Reconductor Line 220-93 from Cooper Substation to Graceton Substation to get a minimum summer emergency rating of 630 MVA. The line is approximately 4 miles long. This cost is for the PECO portion only. Total time 24 months to complete.</p> <p>BGE: Cooper to Graceton 230 kV line 1.85 miles total rebuild to PA border with 2167 MCM conductor. The new rating will be 799/974 MVA. Total time: 54 months.</p>	Pending	\$ 2,900,000 \$ 9,000,000	\$ 11,900,000
32	SAHA34TP-GRACETON 230 kV line	<p>PPL: A PPL project to re-conductor Manor-Graceton 230 kV with 1590 ACSR is underway. This project will equip the line to handle 653/793 MVA (Summer Normal/Emergency). Estimated cost: \$22.7M. Estimated in-service date: November 2013</p> <p>BGE: Remove sag limitation rate to 550 MVA from Graceton to PA line</p>	Pending	\$ 22,700,000 \$ 500,000	\$ 23,200,000

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
33	KILMER W-L.NELSNW 230 kV line	Lake Nelson – Kilmer (W1037) – Reconnector the 1.95 mile Lake Nelson to Kilmer line with single 1590 kcmil ACSR conductor. (FirstEnergy)	N3593	\$ 3,158,200	\$ 7,455,600
		Lake Nelson Substation – Replace one of the circuit switchers at Lake Nelson 230kV station with a new 230kV - 4000A 63kAIC circuit breaker. (PSEG)	N3601	\$ 750,000	
		Lake Nelson – Kilmer (W1037) – (Additional work required beyond previously identified upgrades) – Line will be reconnector with bundled 1590 kcmil ACSR conductor. (FirstEnergy)	Pending	\$ 3,547,400	
34	OTCR-CONASTON 230 kV line	BGE: Reconducting from Gorsuch Mills to the Pennsylvania State Line (change of ownership to PPL). The existing circuit 2302 conductor is 1,590 kcmil 45/7 ACSR from Conastone to Gorsuch Mills and 795 kcm 30/19 ACSR from Gorsuch Mills to the PA State Line.	Pending	\$ 700,000	\$ 20,700,000
		PPL: A PPL project to re-conductor/rebuild Otter Creek-Conastone’s 12 miles up to Maryland border with 1590 ACSR. This project will equip the line to handle 648/802 MVA (Summer Normal/Emergency). Estimated in-service date: June 2014		\$ 20,000,000	
35	KILMER I-L.NELSN 230 kV line	Lake Nelson – Kilmer (I1023) – Reconnector the 1.95 mile Lake Nelson to Kilmer line with single 1590 kcmil ACSR conductor. (FirstEnergy)	N3592	\$ 4,037,500	\$ 4,787,500
		Lake Nelson Substation – Replace one of the circuit switchers at Lake Nelson 230kV station with a new 230kV - 4000A 63kAIC circuit breaker. (PSEG)	N3600	\$ 750,000	
		Lake Nelson – Kilmer (I1023) – (Additional work required beyond previously identified upgrades) – Line will be reconnector with bundled 1590 kcmil ACSR conductor. (FirstEnergy)			
36	BRIS-YORKANA 230 kV line	Reconnector the 12.6 mile section of the Brunner Island-Yorkana (1055) 230 KV line with to 1590 kcmil ACSS conductor, replacing the existing 1590 kcmil ACSR. Upgrade drop loops to not constrain line rating at Yorkana Sub	Pending	\$ 13,279,300	\$ 13,279,300
37	NOTTREAC-PCHBTMTP 230 kV line	The actual summer emergency rating of the line 220-08 from Nottingham Reactor to PB Tap is 578 MVA. The reinforcement is to reconnector Line 220-08 from Nottingham Reactor to PB Tap to get a minimum summer emergency rating of 622 MVA. The work will require 48 months to complete.	Pending	\$ 10,000,000	\$ 10,000,000
38	PCHBTMTP-COOPER 230 kV line	Reconnector Line 220-08 from PB Tap to Cooper Substation to get a minimum summer emergency rating of 638 MVA. The line is approximately 1.4 miles long. The work will require 24 months to complete.	Pending	\$ 1,000,000	\$ 1,000,000

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
39	LACK-OXBOW 230 kV line	Penelec proposes to conductor the Penelec-owned portion of the line and upgrade terminal equipment at Oxbow.	Pending	\$ 8,816,200	\$ 13,516,200
		PPL proposes to rebuild the Lackawanna 230kV bay and rebuild the PPL-owned portion of the line.	Pending	\$ 4,700,000	
40	NOTTNGHM-NOTTREAC 230 kV line	PECO proposes to replace the reactor and bypass circuit switcher at Nottingham to increase the line rating. This work will take 24 months to complete.	Pending	\$ 1,900,000	\$ 1,900,000
41	3 MILE I 500/230 kV transformer	Two (2) separate and independent fiber optic cables will be needed between the 500 kV and 230 kV substations at TMI. Existing spares will be used from existing 96 fiber cable. Additional pieces needed to connect North office building to 230 kV substation and Middeltown JCT substation. Connect the 230kV substation to the 500kV substation at Three Mile Island. The scope also includes transferring the TMI-Hosensack 500kV exit. @ Three Mile Island 500/230kV Upgrade Add 230 kV breaker position for second 500-230 kV Transformer @ TMI-230 Install second 500/230 kV Transformer (651 MVA) to support the PJM X2-050 generation project. @ TMI-500	Pending	\$ 24,627,400	\$ 24,627,400
42	3 MILE I 500/230 kV transformer	This overload will be mitigated by #41 above.	N/A	\$ 0	\$ 0
43	KILMER W-L.NELSNW 230 kV line	This overload will be mitigated by #33 above.	N/A	\$ 0	\$ 0
44	COOPER-GRACETON 230 kV line	This overload will be mitigated by #31 above.	N/A	\$ 0	\$ 0
45	KILMER I-L.NELSN I 230 kV line	This overload will be mitigated by #35 above.	N/A	\$ 0	\$ 0
46	NOTTREAC-PCHBTMTP 230 kV line	This overload will be mitigated by #37 above.	N/A	\$ 0	\$ 0

Violation #	Overloaded Facility	Upgrade Description	Network Upgrade Number	Activity Cost	Upgrade Cost
47	PCHBTMTP-COOPER 230 kV line	This overload will be mitigated by #38 above.	N/A	\$ 0	\$ 0
48	NOTTNGHM-NOTTREAC 230 kV line	This overload will be mitigated by #40 above.	N/A	\$ 0	\$ 0
49	PEACHBTM-CNASTONE 500 kV line	<p>BGE: At Conastone construct a new two breaker 4000A bay (breakers D, F) with two 63 kA breakers. Includes line termination structures, allowance for a second line and the relocation of the 500kV cap bank. 36 months to complete - \$14M. Construct a new 500 kV line from Conastone – Peachbottom rated for a minimum of 2939/3733 MVA. Build 9.6 miles of 500 kV line from Conastone to PA state line. Purchase 150’ ROW. Total time is 5-7 years.</p> <p>PECO: Replace existing Peach Bottom-Conastone 500kV Line (5012) terminal equipment at Peach Bottom Substation to match the conductor summer normal and emergency rating of 2920 / 3707 MVA (PECO portion only)- \$5 million, 3 years. Build new second Peach Bottom – Conastone 500 kV line on separate towers from existing 5012 line with a minimum summer emergency rating of 3510 MVA (PECO portion only) - \$20 M, 5 years (ROW costs are not included) Total time: up to 7 years</p>	Pending	\$ 46,800,000 \$ 85,800,000	\$
50	PEACHBTM-CNASTONE 500 kV line	This overload will be mitigated by #49 above.	N/A	\$ 0	\$ 0
51	RAR RVR-KILMER W 230 kV line	This overload will be mitigated by #13 above.	N/A	\$ 0	\$ 0
52	RAR RVR-KILMER W 230 kV line	This overload will be mitigated by #13 above.	N/A	\$ 0	\$ 0
53	RAR RVR-KILMER I 230 kV line	This overload will be mitigated by #15 above.	N/A	\$ 0	\$ 0
54	RAR RVR-KILMER I 230 kV line	This overload will be mitigated by #15 above.	N/A	\$ 0	\$ 0
Total Previously Identified Network Upgrades					\$ 350,831,600

Potential Congestion due to Local Energy Deliverability

PJM also studied the delivery of the energy portion of this interconnection request. Any problems identified below are likely to result in operational restrictions to the project under study. The developer can proceed with network upgrades to eliminate the operational restriction at their discretion by submitting a Merchant Transmission Interconnection request.

Note: Only the most severely overloaded conditions are listed below. There is no guarantee of full delivery of energy for this project by fixing only the conditions listed in this section. With a Transmission Interconnection Request, a subsequent analysis will be performed which shall study all overload conditions associated with the overloaded element(s) identified.

None

Attachment 1. Single Line Diagram

Attachment 2. Flowgate Details

Table 1

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	4.51
219124	BURLNGT9	39.54
228251	CARLLS#4	1.05
228000	CEDR#1CT	9.71
228001	CEDR#2CT	4.67
228301	D/W 1 ST	16.99
228302	D/W 6 ST	17.43
231904	DC1 NUG	6.5
231905	DC2 NUG	6.5
213585	EDDYSTN2	67.51
231903	GEN4	18.48
232906	IR3	40.08
213792	MDYRN1-2	1.54
213793	MDYRN3-4	1.55
213794	MDYRN5-6	1.54
213795	MDYRN7-8	1.55
219134	MERCER 3	24.82
227807	MO AV B	4.33
214194	N WALES4	.42
219137	NAT PARK	4.54
200192	P-004 1CT	.73
200193	P-004 2CT	.73
200194	P-004 3CT	.73
200195	P-004 4ST	1.13
200034	PCHBTM 2	7.15
200035	PCHBTM 3	7.05
228343	QUINTN#1	.44
295952	R-011	89.9
200052	ROCKSP 1	.95
200053	ROCKSP 2	.95
200054	ROCKSP 3	.97
200055	ROCKSP 4	.97
291017	S-107 1CT	28.24
291019	S-107 1ST	56.48
291018	S-107 2CT	28.24
213941	SCHYLABC	.5

Bus Number	Bus Name	Full Contribution
213945	SCHYLKL1	35.85
218360	SEWAREN1	21.01
218361	SEWAREN2	23.86
218362	SEWAREN3	21.64
218363	SEWAREN4	25.09
218364	SEWAREN6	22.44
886231	T-144 C	2.29
886232	T-144 E	2.25
292512	T-146 C	15.05
292513	T-146 E	60.19
885600	T20SOLAR E	.47
292769	U1-010	.11
292815	U1-056 C	9.86
292816	U1-056 E	65.99
292966	U2-045 C	.56
292967	U2-045 E	3.77
293062	U2-076	2.14
293093	U2-077	126.88
291996	U4-036 E	.69
292063	V1-021 E	.07
292194	V1-030 CE	.46
292095	V1-030 E1	.29
292185	V1-030 E2	.78
292099	V1-030 E3	.2
292101	V1-030 E4	.19
292103	V1-030 E5	.5
292105	V1-030 E6	.2
292107	V1-030 E7	.15
292087	V1-030 E8	.19
292189	V1-030 EA	.97
292115	V1-030 EB	.78
292195	V1-030 EE	.75
297005	V2-003 C	.33
297006	V2-003 E	.54
297021	V2-009 E1	.32
297023	V2-009 E2	.64
297025	V2-009 E3	.8
297027	V2-009 E4	.49
297039	V2-013 E	.06

Bus Number	Bus Name	Full Contribution
297076	V2-028 C	.52
297077	V2-028 E	.85
297082	V2-035 C	.17
297083	V2-035 E	.27
297090	V2-041 E	.54
297104	V2-046 E	2.81
297106	V2-047 E	.3
293378	V3-024 E	.64
292666	V3-058 E	.41
292668	V3-059 E	.41
292681	V3-069 E	.25
292683	V3-070 E	1.
904042	V4-005 E	.39
904082	V4-009 E	1.35
900131	V4-022 C	.44
900132	V4-022 E	.71
904221	V4-023 C1	1.48
904223	V4-023 C2	.17
904222	V4-023 E1	2.44
904224	V4-023 E2	.26
904231	V4-024 C1	.83
904233	V4-024 C2	.83
904232	V4-024 E1	1.35
904234	V4-024 E2	1.35
904241	V4-025 C1	.83
904243	V4-025 C2	.5
904245	V4-025 C3	.13
904247	V4-025 C4	.2
904242	V4-025 E1	1.35
904244	V4-025 E2	.81
904246	V4-025 E3	.22
904248	V4-025 E4	.33
904281	V4-029 C	1.66
904282	V4-029 E	2.71
904361	V4-037 C1	.83
904363	V4-037 C3	.83
904362	V4-037 E2	1.35
904364	V4-037 E4	1.35
904401	V4-041 C	1.66

Bus Number	Bus Name	Full Contribution
904402	V4-041 E	2.7
904411	V4-042 C1	.83
904413	V4-042 C2	.83
904412	V4-042 E1	1.35
904414	V4-042 E2	1.35
900361	V4-045	80.79
LTF	V4-050	19.32
904532	V4-054 E	2.71
904611	V4-062 C	.25
904612	V4-062 E	.4
904631	V4-064 C	1.74
904632	V4-064 E	2.84
900462	V4-067 E	.35
904682	V4-069 E	.38
904692	V4-070 E	.38
228700	VNLD 10	5.03
900801	W1-001	3.02
901001	W1-003 C	1.74
901002	W1-003 E	2.84
901011	W1-004 C	1.74
901012	W1-004 E	2.84
901021	W1-005 C	1.74
901022	W1-005 E	2.84
901031	W1-006 C	1.74
901032	W1-006 E	2.84
901041	W1-008 C	1.74
901042	W1-008 E	2.84
901051	W1-021 C	1.66
901052	W1-021 E	2.71
901061	W1-022 C	1.66
901062	W1-022 E	2.71
901071	W1-023 C	1.66
901072	W1-023 E	2.71
901082	W1-024 E	.51
901102	W1-032 E	.39
901141	W1-048 C	.41
901142	W1-048 E	.68
901191	W1-068 C	1.66
901192	W1-068 E	2.71
901201	W1-070 C	1.74
901202	W1-070 E	2.84
901241	W1-076 C	.77
901242	W1-076 E	1.25

Bus Number	Bus Name	Full Contribution
901272	W1-083 E	.63
901281	W1-085 C	1.66
901282	W1-085 E	2.71
901291	W1-086 C	1.66
901292	W1-086 E	2.71
901301	W1-087 C	1.66
901302	W1-087 E	2.71
901311	W1-088 C	1.66
901312	W1-088 E	2.71
901321	W1-089 C	1.49
901322	W1-089 E	2.45
901331	W1-090 C OPI	1.48
901332	W1-090 E OPI	2.44
901391	W1-108	2.81
901422	W1-113 E	1.03
901461	W1-117 C	1.66
901462	W1-117 E	2.71
901471	W1-118 C	1.66
901472	W1-118 E	2.71
901482	W1-119 E	2.35
901492	W1-120 E	2.62
901502	W1-121 E	1.04
901522	W1-124 E	2.17
901552	W1-129 E	.65
901561	W1-130 C	.83
901562	W1-130 E	1.35
901572	W1-132 E	.4
902211	W2-019 C	.49
902212	W2-019 E	.78
902251	W2-023	126.17
902262	W2-026 E	.36
902271	W2-028	1.07
902281	W2-029	1.08
902292	W2-030 E	1.34
902301	W2-035 C	1.31
902302	W2-035 E	2.18
902312	W2-036 E	.11
902321	W2-039	13.78
902341	W2-047 C	.79
902342	W2-047 E	1.28
902372	W2-050 E	2.03
902382	W2-052 E	.1
902392	W2-056 E	1.47

Bus Number	Bus Name	Full Contribution
902412	W2-060 E	2.66
902422	W2-061 E	.38
902432	W2-071 E	.38
902452	W2-074 E	.21
902472	W2-076 E	.25
902482	W2-078 E	1.16
902542	W2-085 E	1.25
902552	W2-088 E	2.18
902562	W2-090 E	2.67
902621	W2-101 C	1.66
902622	W2-101 E	2.71
902632	W2-102 E	.94
903222	W3-003 E	2.02
903251	W3-009 C	.83
903252	W3-009 E	1.35
903292	W3-025 E	.43
903302	W3-026 E	.67
903311	W3-028 C	9.54
903312	W3-028 E	64.24
903322	W3-029 E	2.13
903341	W3-032A 1	35.49
903351	W3-032A 2	35.49
903381	W3-033	1.62
903402	W3-041 E	1.33
903422	W3-045 E	.39
903471	W3-048	11.27
903481	W3-054AC	2.83
903482	W3-054AE	18.96
903492	W3-057 E	2.67
903501	W3-058 C	.83
903502	W3-058 E	1.35
903582	W3-078 E	1.67
903592	W3-079 E	1.81
903602	W3-080 E	2.66
903652	W3-101 E	.43
903722	W3-120 E	2.21
903732	W3-124 E	.38
903891	W3-157 C	.14
903892	W3-157 E	.23
903902	W3-158 E	1.04
903912	W3-159 E	1.56
903921	W3-160 C	.87
903922	W3-160 E	1.42

Bus Number	Bus Name	Full Contribution
903951	W3-174	42.36
903961	W3-175	81.22
905091	W4-009 OP1	147.87
905112	W4-011 E	1.94
905131	W4-015 C	29.54
905141	W4-016	73.85
905161	W4-018 C	.83
905162	W4-018 E	1.35
905181	W4-021	151.57
905211	W4-025 C	.55
905212	W4-025 E	.93
905221	W4-027 C	.65
905222	W4-027 E	1.06
905232	W4-029 E	.4
905301	W4-040 C	.8
905302	W4-040 E	1.31
905331	W4-045 C	.72
905332	W4-045 E	1.18
905352	W4-053 E	.41
905362	W4-058 E	.09
905391	W4-063 C	.14
905392	W4-063 E	.94
905432	W4-072 E	2.07
905452	W4-080 E	2.5
905482	W4-085 E	.43
905512	W4-089 E	.44
905522	W4-090 E	.44
905562	W4-103 E	.94
907032	X1-021 E	.67
907052	X1-032 E	.92
907082	X1-037 E	2.18
907132	X1-043 E	.43
907162	X1-049 E	.41
907202	X1-054 E	1.33
907222	X1-066 E	.22
907241	X1-068	2.04
907252	X1-070 E	.51
907262	X1-071 E	.17
907291	X1-074	66.94
907351	X1-085 C	.4
907352	X1-085 E	.65
907401	X1-096 C	4.47
907402	X1-096 E	29.93

Bus Number	Bus Name	Full Contribution
907472	X1-110 E	.44
909032	X2-013 E	.43
909091	X2-027 C OP1	.17
909092	X2-027 E OP1	.27
909101	X2-028 C OP1	.25
909102	X2-028 E OP1	.41
909122	X2-033 E	.39
909192	X2-054 E	2.02
909212	X2-059 E	1.3
909231	X2-066	70.88
909241	X2-067	70.97
909252	X2-075 E	.75
909312	X2-088 E	.3
909322	X2-089 E	.35
910562	X3-007 E	.42
910571	X3-008 C	1.74
910572	X3-008 E	2.84
910591	X3-015 C	1.7
910592	X3-015 E	2.77
910671	X3-040 C	.89
910672	X3-040 E	5.99
910681	X3-041 C	1.31
910682	X3-041 E	2.11
910692	X3-043 E	1.6
910821	X3-066 C	.52
910822	X3-066 E	.85
910841	X3-070	.46
910852	X3-071 E	1.42
910862	X3-075 E	.65
910882	X3-077 E	1.42
910902	X3-081 E	.11
912032	X4-004 E	1.08
912042	X4-005 E	12.24
912101	X4-015 C	.4
912102	X4-015 E	.65
912121	X4-017 C	1.74
912122	X4-017 E	2.84
912141	X4-020	168.51
912151	X4-021	67.41
912171	X4-027-CT1	2.56
912172	X4-027-CT2	2.56
912173	X4-027-CT3	2.56
912182	X4-031 E	.41

Bus Number	Bus Name	Full Contribution
912191	X4-032 C	.85
912192	X4-032 E	.42
912232	X4-040 E	.46
912271	X4-045 E	.11
913041	Y1-008 C	1.49
913042	Y1-008 E	9.98
913171	Y1-025 C OP1	147.87
913172	Y1-025 E OP1	12.24
913181	Y1-026	32.23
913361	Y1-057 C	.02
913362	Y1-057 E	.43
913401	Y1-065 C	199.85
913402	Y1-065 E	11.67
913502	Y1-075 E	.37
913511	Y1-077	15.87
913531	Y1-079 C OP1	.87
913532	Y1-079 E OP1	1.42
913541	Y1-080 C	.29
913542	Y1-080 E	.48
914271	Y2-078	4.17
914281	Y2-079	41.74

Table 2

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.1
228100	BLE DIES	.01
228101	BLE#1 ST	.14
228102	BLE#2 ST	.19
228103	BLE#3 ST	.18
228000	CEDR#1CT	5.33
228001	CEDR#2CT	2.56
217078	ESSEX 12	-9.68
99210	G07_NEW	27.65
206280	LAKEHURS	.05
206366	LKWD CT1	.63
206367	LKWD CT2	.63
206306	LKWD G1	.3
206308	LKWD G2	.3
206312	LKWD G3	.3
227842	MARINGEN	.01
206271	MCRC/REC	.05

Bus Number	Bus Name	Full Contribution
227807	MO AV B	1.2
206325	O C GEN	2.14
206360	O CRK C1	.12
206361	O CRK C2	.11
94130	O66_NONFIRM	18.57
227801	ONTC&DCT	.06
206358	PARLN1&2	.82
206359	PARLN3&4	.82
295952	R-011	281.27
206362	RDOAKCT1	2.58
206363	RDOAKCT2	2.7
206364	RDOAKCT3	2.7
206365	RDOAKST1	3.62
206327	S RIV G1	1.42
206328	S RIV G2	1.42
206329	S RIV G3	1.39
292241	T-076	.41
292512	T-146 C	3.51
292815	U1-056 C	2.58
292966	U2-045 C	.16
292078	V1-034	.16
297005	V2-003 C	.08
297038	V2-013 C	.
894671	V3-036	.01
900461	V4-067 C	.
901081	W1-024 C	.
901101	W1-032 C	.
901411	W1-112 C OP1	.01
901481	W1-119 C	.02
901491	W1-120 C	.02
901521	W1-124 C	.05
901551	W1-129 C	.01
902211	W2-019 C	.26
902291	W2-030 C	.01
902511	W2-082 C OP1	.02
902551	W2-088 C	.02
903311	W3-028 C	5.47
903381	W3-033	.46
903421	W3-045 C	.01
903591	W3-079 C	.02
903721	W3-120 C	.02
903901	W3-158 C	.01
903911	W3-159 C	.01

Bus Number	Bus Name	Full Contribution
905111	W4-011 C	.03
905181	W4-021	368.32
905211	W4-025 C	.3
905291	W4-038 OP1	-1.26
905331	W4-045 C	.37
905381	W4-060 C OP1	.01
905391	W4-063 C	.04
905431	W4-072 C	.01
907081	X1-037 C	.03
907241	X1-068	6.28
907301	X1-077	.
907351	X1-085 C	.15
909211	X2-059 C	.01
910531	X3-004	-1.84
910891	X3-079 C OP1	.02
912101	X4-015 C	.22
913511	Y1-077	3.7
914271	Y2-078	3.38
914281	Y2-079	33.83

Table 3

Bus Number	Full Contribution	Bus Name
216908	2.2	BAYONNE
217006	1.1	BERGN26A
219103	1.72	BURLNGT8
219124	15.07	BURLNGT9
228251	.66	CARLLS#4
228000	4.86	CEDR#1CT
228001	2.34	CEDR#2CT
228301	9.75	D/W 1 ST
228302	10.	D/W 6 ST
231915	.37	DC CT6
231902	.58	DC CT7
231904	7.86	DC1 NUG
231905	7.86	DC2 NUG
232900	.31	DEMECSMY
232851	.04	DUP-SFR1
217078	9.62	ESSEX 12
232616	.11	GEN FOOD
231903	22.33	GEN4
200039	6.61	HOPE CG1

Bus Number	Full Contribution	Bus Name
231911	1.38	HR5
231912	1.38	HR6
231913	1.38	HR7
231914	2.09	HR8
217081	18.76	HUDSON 1
232920	.06	IR10
232906	28.16	IR3
232904	1.68	IR4
217083	6.81	KEARNY11
217086	1.1	KRNY9&10
219134	8.12	MERCER 3
227807	2.58	MO AV B
232923	.12	MR1
232924	.12	MR2
232922	.71	MR3
219137	1.78	NAT PARK
232901	.27	NORTHST
232910	.2	NRG_G1
232911	.2	NRG_G2
228343	.26	QUINTN#1
295952	29.53	R-011
291017	12.	S-107 1CT
291019	24.	S-107 1ST
291018	12.	S-107 2CT
200062	.22	SALEM G3
200036	6.65	SALEM-G1
200037	6.57	SALEM-G2
218360	6.18	SEWAREN1
218361	7.06	SEWAREN2
218362	6.4	SEWAREN3
218363	7.46	SEWAREN4
218364	6.67	SEWAREN6
886231	1.24	T-144 C
292512	9.48	T-146 C
885600	.15	T20SOLAR E
292815	5.91	U1-056 C
292966	.34	U2-045 C
293062	.7	U2-076
293093	36.58	U2-077
297005	.21	V2-003 C
297076	.22	V2-028 C
297082	.1	V2-035 C
900131	.24	V4-022 C

Bus Number	Full Contribution	Bus Name
904221	.85	V4-023 C1
904223	.1	V4-023 C2
904231	.49	V4-024 C1
904233	.5	V4-024 C2
904241	.44	V4-025 C1
904243	.3	V4-025 C2
904245	.08	V4-025 C3
904247	.12	V4-025 C4
904281	.95	V4-029 C
904361	.48	V4-037 C1
904363	.48	V4-037 C3
904401	.94	V4-041 C
904411	.48	V4-042 C1
904413	.45	V4-042 C2
904611	.15	V4-062 C
904631	.97	V4-064 C
232813	.02	VAUGHN
228700	3.27	VNLD 10
900801	.87	W1-001
901001	.97	W1-003 C
901011	.97	W1-004 C
901021	.97	W1-005 C
901031	.97	W1-006 C
901041	.97	W1-008 C
901051	1.05	W1-021 C
901061	1.05	W1-022 C
901071	1.05	W1-023 C
901141	.25	W1-048 C
901171	.34	W1-062
901191	1.	W1-068 C
901201	.96	W1-070 C
901241	.2	W1-076 C
901281	1.09	W1-085 C
901291	1.09	W1-086 C
901301	1.09	W1-087 C
901311	1.09	W1-088 C
901321	.96	W1-089 C
901331	.88	W1-090 C OP1
901461	1.07	W1-117 C
901471	1.07	W1-118 C
901561	.48	W1-130 C
902211	.21	W2-019 C
902251	36.99	W2-023

Bus Number	Full Contribution	Bus Name
902301	.8	W2-035 C
902321	9.04	W2-039
902341	.41	W2-047 C
902621	.99	W2-101 C
903251	.52	W3-009 C
903311	4.7	W3-028 C
903341	45.39	W3-032A 1
903351	45.39	W3-032A 2
903381	.96	W3-033
903391	.14	W3-039 C
903471	12.04	W3-048
903481	1.57	W3-054AC
903501	.54	W3-058 C
903891	.09	W3-157 C
903921	.59	W3-160 C
903951	25.72	W3-174
903961	49.31	W3-175
905091	47.57	W4-009 OP1
905131	12.56	W4-015 C
905141	31.39	W4-016
905161	.48	W4-018 C
905181	52.58	W4-021
905211	.24	W4-025 C
905221	.38	W4-027 C
905291	1.25	W4-038 OP1
905301	.44	W4-040 C
905331	.31	W4-045 C
905391	.08	W4-063 C
907241	.67	X1-068
907291	135.55	X1-074
907351	.16	X1-085 C
907401	2.38	X1-096 C
907411	.2	X1-097
909091	.1	X2-027 C OP1
909101	.15	X2-028 C OP1
909171	34.5	X2-050
909231	57.58	X2-066
909241	90.79	X2-067
910531	1.83	X3-004
910571	.62	X3-008 C
910591	.68	X3-015 C
910671	.5	X3-040 C
910681	.94	X3-041 C

Bus Number	Full Contribution	Bus Name
910841	.55	X3-070
910851	.01	X3-071 C
912101	.18	X4-015 C
912111	.52	X4-016
912121	.94	X4-017 C
912261	.55	X4-044 C
913041	.83	Y1-008 C
913171	47.57	Y1-025 C OP1
913181	9.31	Y1-026
913221	.69	Y1-031 C OP1
913511	10.	Y1-077
913541	.12	Y1-080 C
914271	1.72	Y2-078
914281	17.21	Y2-079

Table 4

Bus Number	Bus Name	Full Contribution
219221	BRL12CT1	.29
219222	BRL12CT2	.29
219223	BRL12CT3	.29
219224	BRL12CT4	.29
219127	BURLNG11	1.28
219103	BURLNGT8	6.18
219124	BURLNGT9	54.11
219156	CAMD CGN	1.26
228251	CARLLS#4	.95
228000	CEDR#1CT	6.24
228001	CEDR#2CT	3.
213535	CROYDN11	.33
213536	CROYDN12	.33
213537	CROYDN21	.34
213538	CROYDN22	.33
213539	CROYDN31	.33
213540	CROYDN32	.33
213541	CROYDN41	.33
213542	CROYDN42	.33
228301	D/W 1 ST	16.64
228302	D/W 6 ST	17.07
219230	EAGLE P	.17
219120	EAGLE PT	1.33
213616	FORDACT1	1.11

Bus Number	Bus Name	Full Contribution
213617	FORDACT2	1.11
213618	FORDAST1	1.54
213621	FORDBST1	1.54
219128	GLOUCSTR	.32
219134	MERCER 3	23.97
227807	MO AV B	3.57
219137	NAT PARK	7.65
228343	QUINTN#1	.42
213918	RICHMD91	.57
213919	RICHMD92	.57
291017	S-107 ICT	34.13
291019	S-107 IST	68.25
291018	S-107 2CT	34.13
213941	SCHYLABC	-.34
213945	SCHYLKL1	-24.38
292512	T-146 C	12.4
885600	T20SOLAR E	.46
292815	U1-056 C	8.24
292966	U2-045 C	.46
293062	U2-076	2.07
291995	U4-036 C	.01
292104	V1-030 C6	.
292088	V1-030 CB	.02
297005	V2-003 C	.27
297082	V2-035 C	.16
904221	V4-023 C1	1.43
904223	V4-023 C2	.17
904231	V4-024 C1	.81
904233	V4-024 C2	.79
904241	V4-025 C1	.87
904243	V4-025 C2	.48
904245	V4-025 C3	.12
904247	V4-025 C4	.18
904281	V4-029 C	1.64
904361	V4-037 C1	.82
904363	V4-037 C3	.82
904401	V4-041 C	1.68
904411	V4-042 C1	.82
904413	V4-042 C2	.87
904611	V4-062 C	.23
228700	VNLD 10	4.4
901051	W1-021 C	1.5
901061	W1-022 C	1.5

Bus Number	Bus Name	Full Contribution
901071	W1-023 C	1.5
901141	W1-048 C	.39
901191	W1-068 C	1.57
901271	W1-083 C	.01
901281	W1-085 C	1.44
901291	W1-086 C	1.44
901301	W1-087 C	1.44
901311	W1-088 C	1.44
901321	W1-089 C	1.31
901331	W1-090 C OPI	1.48
901461	W1-117 C	1.47
901471	W1-118 C	1.47
901561	W1-130 C	.77
902181	W2-014	.02
902211	W2-019 C	.34
902301	W2-035 C	1.22
902321	W2-039	11.9
902341	W2-047 C	.83
902411	W2-060 C	.05
902431	W2-071 C	.01
902621	W2-101 C	1.58
903251	W3-009 C	.76
903301	W3-026 C	.01
903311	W3-028 C	5.97
903381	W3-033	1.34
903401	W3-041 C	.03
903471	W3-048	5.09
903501	W3-058 C	.68
903601	W3-080 C	.05
903891	W3-157 C	.13
903951	W3-174	40.77
903961	W3-175	78.17
905131	W4-015 C	35.7
905141	W4-016	89.25
905161	W4-018 C	.82
905181	W4-021	43.26
905211	W4-025 C	.39
905221	W4-027 C	.6
905301	W4-040 C	.85
905331	W4-045 C	.48
905391	W4-063 C	.12
907031	X1-021 C	.01
907101	X1-039	.18

Bus Number	Bus Name	Full Contribution
907201	X1-054 C	.03
907251	X1-070 C	.01
907261	X1-071 C	.
907351	X1-085 C	.2
909091	X2-027 C OPI	.16
909101	X2-028 C OPI	.24
912101	X4-015 C	.28
913511	Y1-077	13.08
914271	Y2-078	1.91
914281	Y2-079	19.13

Table 5

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.1
228100	BLE DIES	.01
228101	BLE#1 ST	.14
228102	BLE#2 ST	.18
228103	BLE#3 ST	.18
228000	CEDR#1CT	5.3
228001	CEDR#2CT	2.55
217078	ESSEX 12	-9.64
99210	G07_NEW	27.55
206280	LAKEHURS	.05
206366	LKWD CT1	.63
206367	LKWD CT2	.63
206306	LKWD G1	.29
206308	LKWD G2	.29
206312	LKWD G3	.29
227842	MARINGEN	.01
206271	MCRC/REC	.05
227807	MO AV B	1.19
206325	O C GEN	2.13
206360	O CRK C1	.12
206361	O CRK C2	.11
94130	O66_NONFIRM	18.5
227801	ONTC&DCT	.06
206358	PARLN1&2	.82
206359	PARLN3&4	.82
295952	R-011	275.34
206362	RDOAKCT1	2.7
206363	RDOAKCT2	2.57

Bus Number	Bus Name	Full Contribution
206364	RDOAKCT3	2.57
206365	RDOAKST1	3.79
206327	S RIV G1	1.39
206328	S RIV G2	1.39
206329	S RIV G3	1.36
292241	T-076	.4
292512	T-146 C	3.49
292815	U1-056 C	2.57
292966	U2-045 C	.15
292078	V1-034	.16
297005	V2-003 C	.08
297038	V2-013 C	.
894671	V3-036	.01
900461	V4-067 C	.
901081	W1-024 C	.
901101	W1-032 C	.
901411	W1-112 C OPI	.01
901481	W1-119 C	.02
901491	W1-120 C	.02
901521	W1-124 C	.05
901551	W1-129 C	.01
902211	W2-019 C	.26
902291	W2-030 C	.01
902511	W2-082 C OPI	.02
902551	W2-088 C	.02
903311	W3-028 C	5.45
903381	W3-033	.46
903421	W3-045 C	.01
903591	W3-079 C	.02
903721	W3-120 C	.02
903901	W3-158 C	.01
903911	W3-159 C	.01
905111	W4-011 C	.03
905181	W4-021	366.94
905211	W4-025 C	.3
905291	W4-038 OPI	-1.26
905331	W4-045 C	.37
905381	W4-060 C OPI	.01
905391	W4-063 C	.04
905431	W4-072 C	.01
907081	X1-037 C	.03
907241	X1-068	6.57
907301	X1-077	.

Bus Number	Bus Name	Full Contribution
907351	X1-085 C	.15
909211	X2-059 C	.01
910531	X3-004	-1.83
910891	X3-079 C OPI	.02
912101	X4-015 C	.22
913511	Y1-077	3.69
914271	Y2-078	3.37
914281	Y2-079	33.7

Table 6

Bus Number	Bus Name	Full Contribution
207922	BRIS	.01
208900	BRIS G1	.5
208901	BRIS G2	.59
208902	BRIS G3	1.16
219103	BURLNGT8	1.11
219124	BURLNGT9	9.77
228251	CARLLS#4	.25
204638	CAT TRAC	.05
204670	CAT TRAC	.02
228000	CEDR#1CT	2.37
228001	CEDR#2CT	1.14
213508	CON10-11	.25
213514	CONOW1-2	.16
213515	CONOW3-4	.19
213516	CONOW5-6	.16
213517	CONOW7	.09
213518	CONOW8-9	.25
228301	D/W 1 ST	4.12
228302	D/W 6 ST	4.23
213554	DALEVLE	.01
231904	DC1 NUG	1.56
231905	DC2 NUG	1.56
213585	EDDYSTN2	17.36
209030	FRFA O01	.01
231903	GEN4	4.43
206331	GG A1&2	2.03
206332	GG A3&4	2.03
206333	GG B5&6	2.03
206334	GG B7&8	2.03
208903	HOLT 695	.18

Bus Number	Bus Name	Full Contribution
208904	HOLT 696	.19
208907	HOLT 697	8.82
232906	IR3	9.42
219134	MERCER 3	6.16
227807	MO AV B	1.05
204574	MODRN LF	.01
219137	NAT PARK	1.12
220909	PERRYG12	1.16
220910	PERRYG34	1.18
220911	PERRYG51	1.8
295125	Q-020 2	.21
295130	Q-020 3	.
295133	Q-020 4	.
204555	QUEEN ST	.34
228343	QUINTN#1	.11
295952	R-011	22.29
220915	RVRSDEG6	-23.27
204655	S.RDG CT	.05
290285	S-032	2.6
290760	S-064	1.14
291017	S-107 1CT	6.95
291019	S-107 1ST	13.9
291018	S-107 2CT	6.95
208914	SAHA 34	.15
208915	SAHA 567	.23
208917	SAHA1112	.19
208916	SAHA8910	.28
213941	SCHYLABC	.13
213945	SCHYLKL1	9.17
218360	SEWAREN1	5.23
218361	SEWAREN2	5.94
218362	SEWAREN3	5.39
218363	SEWAREN4	6.25
218364	SEWAREN6	5.59
886231	T-144 C	.54
292512	T-146 C	3.63
885600	T20SOLAR E	.12
204656	TITUS 1G	5.18
204657	TITUS 2G	5.18
204658	TITUS 3G	5.18
204650	TOLNA CT	.06
292815	U1-056 C	2.39
208848	U1-067	.

Bus Number	Bus Name	Full Contribution
887721	U1-068	.02
292966	U2-045 C	.14
293062	U2-076	.53
293093	U2-077	31.64
297005	V2-003 C	.08
297076	V2-028 C	.12
297082	V2-035 C	.04
293414	V3-041	.01
293450	V3-051 C	.
900111	V4-020	37.76
900131	V4-022 C	.1
904221	V4-023 C1	.36
904223	V4-023 C2	.04
904231	V4-024 C1	.2
904233	V4-024 C2	.2
904241	V4-025 C1	.2
904243	V4-025 C2	.12
904245	V4-025 C3	.03
904247	V4-025 C4	.05
904261	V4-027 C	.
904281	V4-029 C	.4
904361	V4-037 C1	.2
904363	V4-037 C3	.2
904401	V4-041 C	.4
904411	V4-042 C1	.2
904413	V4-042 C2	.2
904611	V4-062 C	.06
904631	V4-064 C	.41
904741	V4-075 C	.
228700	VNLD 10	1.21
900801	W1-001	.75
901001	W1-003 C	.41
901011	W1-004 C	.41
901021	W1-005 C	.41
901031	W1-006 C	.41
901041	W1-008 C	.41
901051	W1-021 C	.4
901061	W1-022 C	.4
901071	W1-023 C	.4
208850	W1-046 C	.38
901141	W1-048 C	.1
901151	W1-054	.02
901191	W1-068 C	.4

Bus Number	Bus Name	Full Contribution
901201	W1-070 C	.41
901241	W1-076 C	.19
901281	W1-085 C	.4
901291	W1-086 C	.4
901301	W1-087 C	.4
901311	W1-088 C	.4
901321	W1-089 C	.36
901331	W1-090 C OP1	.36
901361	W1-105 C	.
901391	W1-108	.72
901461	W1-117 C	.4
901471	W1-118 C	.4
901541	W1-127 C	.06
901561	W1-130 C	.2
902211	W2-019 C	.12
902251	W2-023	31.44
902271	W2-028	.26
902281	W2-029	.26
902301	W2-035 C	.32
902321	W2-039	3.32
902341	W2-047 C	.19
902461	W2-075	.
902621	W2-101 C	.4
903251	W3-009 C	.2
903311	W3-028 C	2.33
903341	W3-032A 1	8.3
903351	W3-032A 2	8.3
903381	W3-033	.39
903471	W3-048	2.61
903481	W3-054AC	.67
903501	W3-058 C	.2
903891	W3-157 C	.03
903921	W3-160 C	.21
903951	W3-174	10.25
903961	W3-175	19.65
905091	W4-009 OP1	36.69
905131	W4-015 C	7.27
905141	W4-016	18.18
905161	W4-018 C	.2
905181	W4-021	37.5
905211	W4-025 C	.13
905221	W4-027 C	.16
905301	W4-040 C	.2

Bus Number	Bus Name	Full Contribution
905331	W4-045 C	.18
905391	W4-063 C	.03
907091	X1-013 OP1	57.29
907241	X1-068	.51
907281	X1-073 C OP1	.23
907291	X1-074	15.53
907351	X1-085 C	.1
907401	X1-096 C	1.05
909091	X2-027 C OP1	.04
909101	X2-028 C OP1	.06
909231	X2-066	16.67
909241	X2-067	16.59
910551	X3-006 C	6.39
910571	X3-008 C	.41
910591	X3-015 C	.4
910671	X3-040 C	.21
910681	X3-041 C	.31
910701	X3-044	.91
910821	X3-066 C	.13
910831	X3-068 OP1	116.18
910841	X3-070	.11
912071	X4-009 C	.43
912101	X4-015 C	.1
912121	X4-017 C	.41
912141	X4-020	37.12
912171	X4-027-CT1	.65
912172	X4-027-CT2	.65
912173	X4-027-CT3	.65
912191	X4-032 C	.21
912261	X4-044 C	.5
912291	X4-048 OP1	18.01
913041	Y1-008 C	.35
913141	Y1-022 C	.61
913171	Y1-025 C OP1	36.69
913181	Y1-026	8.04
913351	Y1-056	1.16
913361	Y1-057 C	.01
913401	Y1-065 C	40.08
913481	Y1-072 C	.04
913511	Y1-077	3.83
913531	Y1-079 C OP1	.21
913541	Y1-080 C	.07
914271	Y2-078	1.03

Bus Number	Bus Name	Full Contribution
914281	Y2-079	10.26

Table 7

Bus Number	Bus Name	Full Contribution
207922	BRIS	.01
208900	BRIS G1	.5
208901	BRIS G2	.59
208902	BRIS G3	1.17
219103	BURLNGT8	1.12
219124	BURLNGT9	9.82
228251	CARLLS#4	.25
204638	CAT TRAC	.05
204670	CAT TRAC	.02
228000	CEDR#1CT	2.38
228001	CEDR#2CT	1.15
213508	CON10-11	.25
213514	CONOW1-2	.16
213515	CONOW3-4	.19
213516	CONOW5-6	.16
213517	CONOW7	.09
213518	CONOW8-9	.25
228301	D/W 1 ST	4.15
228302	D/W 6 ST	4.25
213554	DALEVILLE	.01
231904	DC1 NUG	1.57
231905	DC2 NUG	1.57
213585	EDDYSTN2	17.45
217078	ESSEX 12	3.55
209030	FRFA O01	.01
231903	GEN4	4.46
206331	GG A1&2	2.04
206332	GG A3&4	2.04
206333	GG B5&6	2.04
206334	GG B7&8	2.04
208903	HOLT 695	.18
208904	HOLT 696	.19
208907	HOLT 697	8.9
217081	HUDSON 1	18.05
232906	IR3	9.48
217083	KEARNY11	6.55
217086	KRNY9&10	1.06

Bus Number	Bus Name	Full Contribution
219134	MERCER 3	6.19
227807	MO AV B	1.05
204574	MODRN LF	.01
219137	NAT PARK	1.13
220909	PERRYG12	1.17
220910	PERRYG34	1.18
220911	PERRYG51	1.8
295125	Q-020 2	.22
295130	Q-020 3	.
295133	Q-020 4	.
204555	QUEEN ST	.34
228343	QUINTN#1	.11
295952	R-011	22.42
220915	RVRSDEG6	-23.26
204655	S.RDG CT	.05
290285	S-032	2.61
290760	S-064	1.15
291017	S-107 1CT	6.99
291019	S-107 1ST	13.98
291018	S-107 2CT	6.99
208914	SAHA 34	.15
208915	SAHA 567	.23
208917	SAHA1112	.19
208916	SAHA8910	.29
213941	SCHYLABC	.13
213945	SCHYLKL1	9.22
218360	SEWAREN1	5.26
218361	SEWAREN2	5.98
218362	SEWAREN3	5.42
218363	SEWAREN4	6.28
218364	SEWAREN6	5.62
886231	T-144 C	.54
292512	T-146 C	3.65
885600	T20SOLAR E	.12
204656	TITUS 1G	5.21
204657	TITUS 2G	5.21
204658	TITUS 3G	5.21
204650	TOLNA CT	.06
292815	U1-056 C	2.4
208848	U1-067	.
887721	U1-068	.02
292966	U2-045 C	.14
293062	U2-076	.53

Bus Number	Bus Name	Full Contribution
293093	U2-077	31.83
297005	V2-003 C	.08
297076	V2-028 C	.12
297082	V2-035 C	.04
293414	V3-041	.01
293450	V3-051 C	.
900111	V4-020	37.98
900131	V4-022 C	.1
904221	V4-023 C1	.36
904223	V4-023 C2	.04
904231	V4-024 C1	.2
904233	V4-024 C2	.2
904241	V4-025 C1	.2
904243	V4-025 C2	.12
904245	V4-025 C3	.03
904247	V4-025 C4	.05
904261	V4-027 C	.
904281	V4-029 C	.4
904361	V4-037 C1	.2
904363	V4-037 C3	.2
904401	V4-041 C	.4
904411	V4-042 C1	.2
904413	V4-042 C2	.2
904611	V4-062 C	.06
904631	V4-064 C	.41
904741	V4-075 C	.
228700	VNLD 10	1.22
900801	W1-001	.76
901001	W1-003 C	.41
901011	W1-004 C	.41
901021	W1-005 C	.41
901031	W1-006 C	.41
901041	W1-008 C	.41
901051	W1-021 C	.4
901061	W1-022 C	.4
901071	W1-023 C	.4
208850	W1-046 C	.38
901141	W1-048 C	.1
901151	W1-054	.02
901191	W1-068 C	.4
901201	W1-070 C	.41
901241	W1-076 C	.19
901281	W1-085 C	.4

Bus Number	Bus Name	Full Contribution
901291	W1-086 C	.4
901301	W1-087 C	.4
901311	W1-088 C	.4
901321	W1-089 C	.36
901331	W1-090 C OP1	.36
901361	W1-105 C	.
901391	W1-108	.72
901461	W1-117 C	.4
901471	W1-118 C	.4
901541	W1-127 C	.06
901561	W1-130 C	.2
902211	W2-019 C	.12
902251	W2-023	31.62
902271	W2-028	.26
902281	W2-029	.26
902301	W2-035 C	.32
902321	W2-039	3.34
902341	W2-047 C	.19
902461	W2-075	.
902621	W2-101 C	.4
903251	W3-009 C	.2
903311	W3-028 C	2.34
903341	W3-032A 1	8.34
903351	W3-032A 2	8.34
903381	W3-033	.4
903391	W3-039 C	.13
903471	W3-048	2.62
903481	W3-054AC	.67
903501	W3-058 C	.2
903891	W3-157 C	.03
903921	W3-160 C	.21
903951	W3-174	10.31
903961	W3-175	19.76
905091	W4-009 OP1	36.9
905131	W4-015 C	7.31
905141	W4-016	18.28
905161	W4-018 C	.2
905181	W4-021	37.72
905211	W4-025 C	.14
905221	W4-027 C	.16
905291	W4-038 OP1	1.21
905301	W4-040 C	.2
905331	W4-045 C	.18

Bus Number	Bus Name	Full Contribution
905391	W4-063 C	.03
907091	X1-013 OP1	57.62
907241	X1-068	.51
907281	X1-073 C OP1	.23
907291	X1-074	15.62
907351	X1-085 C	.1
907401	X1-096 C	1.06
909091	X2-027 C OP1	.04
909101	X2-028 C OP1	.06
909171	X2-050	33.18
909231	X2-066	16.77
909241	X2-067	16.68
910531	X3-004	1.76
910551	X3-006 C	6.43
910571	X3-008 C	.41
910591	X3-015 C	.4
910671	X3-040 C	.21
910681	X3-041 C	.31
910701	X3-044	.92
910821	X3-066 C	.13
910831	X3-068 OP1	116.8
910841	X3-070	.11
910931	X3-085 C	.15
912071	X4-009 C	.43
912101	X4-015 C	.1
912111	X4-016	.5
912121	X4-017 C	.41
912171	X4-027-CT1	.66
912172	X4-027-CT2	.66
912173	X4-027-CT3	.66
912191	X4-032 C	.21
912261	X4-044 C	.5
913041	Y1-008 C	.35
913141	Y1-022 C	.61
913171	Y1-025 C OP1	36.9
913181	Y1-026	8.08
913221	Y1-031 C OP1	.66
913351	Y1-056	1.17
913361	Y1-057 C	.01
913481	Y1-072 C	.04
913511	Y1-077	3.85
913531	Y1-079 C OP1	.21
913541	Y1-080 C	.07

Bus Number	Bus Name	Full Contribution
914271	Y2-078	1.03
914281	Y2-079	10.32

Table 8

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.06
228000	CEDR#1CT	5.41
228001	CEDR#2CT	2.61
217078	ESSEX 12	-9.33
99210	G07_NEW	27.46
206201	JERSVGEN	.01
206280	LAKEHURS	.05
206366	LKWD CT1	.64
206367	LKWD CT2	.64
206306	LKWD G1	.3
206308	LKWD G2	.3
206312	LKWD G3	.3
206271	MCRC/REC	.05
227807	MO AV B	1.23
206325	O C GEN	2.16
206360	O CRK C1	.12
206361	O CRK C2	.11
94130	O66_NONFIRM	17.9
206358	PARLN1&2	.82
206359	PARLN3&4	.82
206638	PEAPACK	-.22
295952	R-011	282.11
206362	RDOAKCT1	2.59
206365	RDOAKST1	3.63
206327	S RIV G1	1.42
206328	S RIV G2	1.42
206329	S RIV G3	1.39
292241	T-076	.41
292512	T-146 C	3.64
292513	T-146 E	14.56
292815	U1-056 C	2.66
292816	U1-056 E	17.82
292966	U2-045 C	.16
292967	U2-045 E	1.07
292078	V1-034	.15
297005	V2-003 C	.08

Bus Number	Bus Name	Full Contribution
297006	V2-003 E	.13
297038	V2-013 C	.
297039	V2-013 E	.07
900462	V4-067 E	.11
901082	W1-024 E	.23
901102	W1-032 E	.18
901411	W1-112 C OP1	.01
901412	W1-112 E OP1	.02
901481	W1-119 C	.02
901482	W1-119 E	1.36
901491	W1-120 C	.02
901492	W1-120 E	1.51
901521	W1-124 C	.05
901522	W1-124 E	3.43
901551	W1-129 C	.01
901552	W1-129 E	.36
902211	W2-019 C	.27
902212	W2-019 E	.43
902292	W2-030 E	.38
902452	W2-074 E	.25
902511	W2-082 C OP1	.02
902512	W2-082 E OP1	.03
902551	W2-088 C	.02
902552	W2-088 E	1.22
903292	W3-025 E	.26
903311	W3-028 C	5.56
903312	W3-028 E	37.43
903381	W3-033	.47
903421	W3-045 C	.01
903422	W3-045 E	.38
903591	W3-079 C	.03
903592	W3-079 E	1.74
903721	W3-120 C	.02
903722	W3-120 E	1.15
903901	W3-158 C	.01
903902	W3-158 E	.54
903912	W3-159 E	.64
905111	W4-011 C	.03
905112	W4-011 E	1.86
905181	W4-021	369.72
905211	W4-025 C	.3
905212	W4-025 E	.51
905291	W4-038 OP1	-1.22

Bus Number	Bus Name	Full Contribution
905331	W4-045 C	.37
905332	W4-045 E	.62
905391	W4-063 C	.04
905392	W4-063 E	.27
905432	W4-072 E	.64
907081	X1-037 C	.04
907082	X1-037 E	2.38
907162	X1-049 E	.14
907222	X1-066 E	.06
907241	X1-068	6.3
907301	X1-077	.
907351	X1-085 C	.15
907352	X1-085 E	.25
909212	X2-059 E	.49
910531	X3-004	-1.77
910762	X3-052 E	-.15
910891	X3-079 C OP1	.02
910892	X3-079 E OP1	.04
912101	X4-015 C	.22
912102	X4-015 E	.36
912182	X4-031 E	.5
913511	Y1-077	3.84
914271	Y2-078	3.42
914281	Y2-079	34.21

Table 9

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	4.57
219124	BURLNGT9	40.04
228251	CARLLS#4	1.07
228000	CEDR#1CT	9.86
228001	CEDR#2CT	4.74
228301	D/W 1 ST	17.34
228302	D/W 6 ST	17.79
231904	DC1 NUG	6.7
231905	DC2 NUG	6.7
213585	EDDYSTN2	67.64
231903	GEN4	19.05
232906	IR3	41.6
213792	MDYRN1-2	1.66
213793	MDYRN3-4	1.66

Bus Number	Bus Name	Full Contribution
213794	MDYRN5-6	1.66
213795	MDYRN7-8	1.66
219134	MERCER 3	25.09
227807	MO AV B	4.42
214194	N WALES4	.43
219137	NAT PARK	4.6
200192	P-004 1CT	.8
200193	P-004 2CT	.8
200194	P-004 3CT	.8
200195	P-004 4ST	1.24
200034	PCHBTM 2	7.87
200035	PCHBTM 3	7.76
228343	QUINTN#1	.45
295952	R-011	90.32
200052	ROCKSP 1	1.04
200053	ROCKSP 2	1.04
200054	ROCKSP 3	1.06
200055	ROCKSP 4	1.06
291017	S-107 1CT	28.68
291019	S-107 1ST	57.36
291018	S-107 2CT	28.68
213941	SCHYLABC	.5
213945	SCHYLKL1	35.93
218360	SEWAREN1	21.04
218361	SEWAREN2	23.91
218362	SEWAREN3	21.68
218363	SEWAREN4	25.15
218364	SEWAREN6	22.49
886231	T-144 C	2.38
886232	T-144 E	2.33
292512	T-146 C	15.38
292513	T-146 E	61.52
885600	T20SOLAR E	.48
292769	U1-010	.12
292815	U1-056 C	10.07
292816	U1-056 E	67.36
292966	U2-045 C	.57
292967	U2-045 E	3.84
293062	U2-076	2.17
293093	U2-077	127.
291996	U4-036 E	.7
292063	V1-021 E	.07
292194	V1-030 CE	.47

Bus Number	Bus Name	Full Contribution
292095	V1-030 E1	.29
292185	V1-030 E2	.79
292099	V1-030 E3	.2
292101	V1-030 E4	.19
292103	V1-030 E5	.51
292105	V1-030 E6	.2
292107	V1-030 E7	.15
292087	V1-030 E8	.19
292189	V1-030 EA	.98
292115	V1-030 EB	.79
292195	V1-030 EE	.76
297005	V2-003 C	.34
297006	V2-003 E	.55
297021	V2-009 E1	.32
297023	V2-009 E2	.64
297025	V2-009 E3	.81
297027	V2-009 E4	.49
297039	V2-013 E	.06
297076	V2-028 C	.54
297077	V2-028 E	.88
297082	V2-035 C	.17
297083	V2-035 E	.28
297090	V2-041 E	.56
297104	V2-046 E	2.87
297106	V2-047 E	.3
293378	V3-024 E	.65
292666	V3-058 E	.41
292668	V3-059 E	.41
292681	V3-069 E	.25
904042	V4-005 E	.39
904082	V4-009 E	1.38
900131	V4-022 C	.45
900132	V4-022 E	.74
904221	V4-023 C1	1.51
904223	V4-023 C2	.18
904222	V4-023 E1	2.49
904224	V4-023 E2	.27
904231	V4-024 C1	.85
904233	V4-024 C2	.85
904232	V4-024 E1	1.38
904234	V4-024 E2	1.38
904241	V4-025 C1	.84
904243	V4-025 C2	.51

Bus Number	Bus Name	Full Contribution
904245	V4-025 C3	.13
904247	V4-025 C4	.2
904242	V4-025 E1	1.38
904244	V4-025 E2	.83
904246	V4-025 E3	.22
904248	V4-025 E4	.33
904281	V4-029 C	1.69
904282	V4-029 E	2.76
904361	V4-037 C1	.85
904363	V4-037 C3	.85
904362	V4-037 E2	1.38
904364	V4-037 E4	1.38
904401	V4-041 C	1.69
904402	V4-041 E	2.76
904411	V4-042 C1	.85
904413	V4-042 C2	.84
904412	V4-042 E1	1.38
904414	V4-042 E2	1.38
900361	V4-045	88.94
LTF	V4-050	18.6
904532	V4-054 E	2.77
904611	V4-062 C	.25
904612	V4-062 E	.41
904631	V4-064 C	1.81
904632	V4-064 E	2.95
900462	V4-067 E	.36
228700	VNLD 10	5.14
900801	W1-001	3.02
901001	W1-003 C	1.81
901002	W1-003 E	2.95
901011	W1-004 C	1.81
901012	W1-004 E	2.95
901021	W1-005 C	1.81
901022	W1-005 E	2.95
901031	W1-006 C	1.81
901032	W1-006 E	2.95
901041	W1-008 C	1.81
901042	W1-008 E	2.95
901051	W1-021 C	1.7
901052	W1-021 E	2.77
901061	W1-022 C	1.7
901062	W1-022 E	2.77
901071	W1-023 C	1.7

Bus Number	Bus Name	Full Contribution
901072	W1-023 E	2.77
901082	W1-024 E	.52
901102	W1-032 E	.39
901141	W1-048 C	.42
901142	W1-048 E	.69
901191	W1-068 C	1.7
901192	W1-068 E	2.77
901201	W1-070 C	1.81
901202	W1-070 E	2.95
901272	W1-083 E	.64
901281	W1-085 C	1.7
901282	W1-085 E	2.78
901291	W1-086 C	1.7
901292	W1-086 E	2.78
901301	W1-087 C	1.7
901302	W1-087 E	2.78
901311	W1-088 C	1.7
901312	W1-088 E	2.78
901321	W1-089 C	1.52
901322	W1-089 E	2.5
901331	W1-090 C OPI	1.51
901332	W1-090 E OPI	2.49
901391	W1-108	2.81
901422	W1-113 E	1.04
901461	W1-117 C	1.7
901462	W1-117 E	2.77
901471	W1-118 C	1.7
901472	W1-118 E	2.77
901482	W1-119 E	2.38
901492	W1-120 E	2.65
901502	W1-121 E	1.05
901522	W1-124 E	2.19
901552	W1-129 E	.66
901561	W1-130 C	.84
901562	W1-130 E	1.38
902211	W2-019 C	.49
902212	W2-019 E	.79
902251	W2-023	126.37
902262	W2-026 E	.36
902271	W2-028	1.09
902281	W2-029	1.11
902292	W2-030 E	1.37
902301	W2-035 C	1.34

Bus Number	Bus Name	Full Contribution
902302	W2-035 E	2.23
902312	W2-036 E	.11
902321	W2-039	14.1
902341	W2-047 C	.8
902342	W2-047 E	1.31
902372	W2-050 E	2.02
902382	W2-052 E	.1
902392	W2-056 E	1.49
902412	W2-060 E	2.7
902432	W2-071 E	.38
902452	W2-074 E	.21
902472	W2-076 E	.25
902482	W2-078 E	1.17
902552	W2-088 E	2.2
902562	W2-090 E	2.72
902621	W2-101 C	1.7
902622	W2-101 E	2.77
902632	W2-102 E	.95
903251	W3-009 C	.85
903252	W3-009 E	1.38
903292	W3-025 E	.44
903302	W3-026 E	.67
903311	W3-028 C	9.68
903312	W3-028 E	65.2
903341	W3-032A 1	36.9
903351	W3-032A 2	36.9
903381	W3-033	1.66
903402	W3-041 E	1.35
903422	W3-045 E	.39
903471	W3-048	11.72
903481	W3-054AC	2.94
903482	W3-054AE	19.67
903492	W3-057 E	2.72
903501	W3-058 C	.85
903502	W3-058 E	1.38
903582	W3-078 E	1.69
903592	W3-079 E	1.83
903602	W3-080 E	2.7
903652	W3-101 E	.45
903722	W3-120 E	2.24
903732	W3-124 E	.39
903891	W3-157 C	.14
903892	W3-157 E	.24

Bus Number	Bus Name	Full Contribution
903902	W3-158 E	1.05
903912	W3-159 E	1.58
903921	W3-160 C	.9
903922	W3-160 E	1.48
903951	W3-174	43.3
903961	W3-175	83.02
905091	W4-009 OP1	148.5
905112	W4-011 E	1.95
905131	W4-015 C	30.
905141	W4-016	75.01
905161	W4-018 C	.85
905162	W4-018 E	1.38
905181	W4-021	152.49
905211	W4-025 C	.56
905212	W4-025 E	.94
905221	W4-027 C	.67
905222	W4-027 E	1.09
905232	W4-029 E	.41
905301	W4-040 C	.82
905302	W4-040 E	1.33
905331	W4-045 C	.73
905332	W4-045 E	1.19
905352	W4-053 E	.41
905362	W4-058 E	.09
905391	W4-063 C	.14
905392	W4-063 E	.96
905432	W4-072 E	2.09
905452	W4-080 E	2.51
905482	W4-085 E	.43
905512	W4-089 E	.45
905522	W4-090 E	.45
905562	W4-103 E	.95
907032	X1-021 E	.68
907052	X1-032 E	.95
907082	X1-037 E	2.2
907132	X1-043 E	.44
907162	X1-049 E	.42
907202	X1-054 E	1.35
907222	X1-066 E	.22
907241	X1-068	2.05
907252	X1-070 E	.51
907262	X1-071 E	.17
907291	X1-074	69.75

Bus Number	Bus Name	Full Contribution
907351	X1-085 C	.4
907352	X1-085 E	.66
907401	X1-096 C	4.64
907402	X1-096 E	31.05
907472	X1-110 E	.45
909032	X2-013 E	.44
909091	X2-027 C OP1	.17
909092	X2-027 E OP1	.28
909101	X2-028 C OP1	.25
909102	X2-028 E OP1	.41
909122	X2-033 E	.39
909212	X2-059 E	1.31
909231	X2-066	73.57
909241	X2-067	73.8
909312	X2-088 E	.3
909322	X2-089 E	.35
910562	X3-007 E	.43
910571	X3-008 C	1.8
910572	X3-008 E	2.94
910591	X3-015 C	1.76
910592	X3-015 E	2.87
910671	X3-040 C	.93
910672	X3-040 E	6.21
910681	X3-041 C	1.36
910682	X3-041 E	2.19
910692	X3-043 E	1.63
910821	X3-066 C	.54
910822	X3-066 E	.87
910841	X3-070	.47
910852	X3-071 E	1.48
910862	X3-075 E	.66
910882	X3-077 E	1.48
910902	X3-081 E	.11
912032	X4-004 E	1.09
912042	X4-005 E	12.29
912101	X4-015 C	.41
912102	X4-015 E	.66
912121	X4-017 C	1.81
912122	X4-017 E	2.95
912141	X4-020	176.46
912151	X4-021	70.59
912171	X4-027-CT1	2.57
912172	X4-027-CT2	2.57

Bus Number	Bus Name	Full Contribution
912173	X4-027-CT3	2.57
912182	X4-031 E	.42
912191	X4-032 C	.85
912192	X4-032 E	.43
912232	X4-040 E	.48
912271	X4-045 E	.11
913041	Y1-008 C	1.55
913042	Y1-008 E	10.35
913171	Y1-025 C OP1	148.5
913172	Y1-025 E OP1	12.29
913181	Y1-026	32.26
913361	Y1-057 C	.02
913362	Y1-057 E	.43
913401	Y1-065 C	218.11
913402	Y1-065 E	12.73
913502	Y1-075 E	.38
913511	Y1-077	16.23
913531	Y1-079 C OP1	.9
913532	Y1-079 E OP1	1.46
913541	Y1-080 C	.3
913542	Y1-080 E	.5
914271	Y2-078	4.22
914281	Y2-079	42.18

Table 10

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.1
228000	CEDR#1CT	5.33
228001	CEDR#2CT	2.56
217078	ESSEX 12	-9.68
99210	G07_NEW	27.65
206201	JERSVGEN	.01
206280	LAKEHURS	.05
206366	LKWD CT1	.63
206367	LKWD CT2	.63
206306	LKWD G1	.3
206308	LKWD G2	.3
206312	LKWD G3	.3
206271	MCRC/REC	.05
227807	MO AV B	1.2
206325	O C GEN	2.14

Bus Number	Bus Name	Full Contribution
206360	O CRK C1	.12
206361	O CRK C2	.11
94130	O66_NONFIRM	18.57
206358	PARLN1&2	.82
206359	PARLN3&4	.82
206638	PEAPACK	-.23
290092	Q-041 E	-1.55
295952	R-011	281.27
206362	RDOAKCT1	2.58
206363	RDOAKCT2	2.7
206364	RDOAKCT3	2.7
206365	RDOAKST1	3.62
206327	S RIV G1	1.42
206328	S RIV G2	1.42
206329	S RIV G3	1.39
292241	T-076	.41
292512	T-146 C	3.51
292513	T-146 E	14.03
292815	U1-056 C	2.58
292816	U1-056 E	17.25
292966	U2-045 C	.16
292967	U2-045 E	1.04
292078	V1-034	.16
297005	V2-003 C	.08
297006	V2-003 E	.13
297038	V2-013 C	.
297039	V2-013 E	.07
900462	V4-067 E	.1
901082	W1-024 E	.23
901102	W1-032 E	.17
901411	W1-112 C OP1	.01
901412	W1-112 E OP1	.02
901481	W1-119 C	.02
901482	W1-119 E	1.34
901491	W1-120 C	.02
901492	W1-120 E	1.49
901521	W1-124 C	.05
901522	W1-124 E	3.41
901551	W1-129 C	.01
901552	W1-129 E	.36
902211	W2-019 C	.26
902212	W2-019 E	.43
902292	W2-030 E	.37

Bus Number	Bus Name	Full Contribution
902452	W2-074 E	.25
902511	W2-082 C OP1	.02
902512	W2-082 E OP1	.03
902551	W2-088 C	.02
902552	W2-088 E	1.2
903292	W3-025 E	.26
903311	W3-028 C	5.47
903312	W3-028 E	36.85
903381	W3-033	.46
903421	W3-045 C	.01
903422	W3-045 E	.37
903591	W3-079 C	.02
903592	W3-079 E	1.73
903721	W3-120 C	.02
903722	W3-120 E	1.13
903901	W3-158 C	.01
903902	W3-158 E	.53
903912	W3-159 E	.62
905111	W4-011 C	.03
905112	W4-011 E	1.84
905181	W4-021	368.32
905211	W4-025 C	.3
905212	W4-025 E	.5
905291	W4-038 OP1	-1.26
905331	W4-045 C	.37
905332	W4-045 E	.61
905391	W4-063 C	.04
905392	W4-063 E	.26
905432	W4-072 E	.62
907081	X1-037 C	.03
907082	X1-037 E	2.36
907162	X1-049 E	.13
907222	X1-066 E	.05
907241	X1-068	6.28
907301	X1-077	.
907351	X1-085 C	.15
907352	X1-085 E	.24
909212	X2-059 E	.48
910531	X3-004	-1.84
910762	X3-052 E	-.16
910891	X3-079 C OP1	.02
910892	X3-079 E OP1	.04
912101	X4-015 C	.22

Bus Number	Bus Name	Full Contribution
912102	X4-015 E	.36
912182	X4-031 E	.5
913511	Y1-077	3.7
914271	Y2-078	3.38
914281	Y2-079	33.83

Table 11

Bus Number	Bus Name	Full Contribution
232905	BAYVIEW1	.02
219103	BURLNGT8	1.24
219124	BURLNGT9	10.85
228251	CARLLS#4	.29
228000	CEDR#1CT	2.66
228001	CEDR#2CT	1.28
232926	CRISFLD1	.01
228301	D/W 1 ST	4.64
228302	D/W 6 ST	4.76
231904	DC1 NUG	1.76
231905	DC2 NUG	1.76
232900	DEMECSMY	.07
232851	DUP-SFR1	.01
213585	EDDYSTN2	18.62
232616	GEN FOOD	.02
231903	GEN4	5.
231911	HR5	.18
231912	HR6	.18
231913	HR7	.18
231914	HR8	.28
232920	IR10	.02
232906	IR3	10.81
232904	IR4	.63
213792	MDYRN1-2	.41
213793	MDYRN3-4	.41
213794	MDYRN5-6	.41
213795	MDYRN7-8	.41
219134	MERCER 3	6.82
227807	MO AV B	1.18
232923	MR1	.02
232924	MR2	.02
232922	MR3	.15
219137	NAT PARK	1.24

Bus Number	Bus Name	Full Contribution
232901	NORTHST	.06
293670	O-025 C	.01
232912	OH NUG1	.07
232913	OH NUG2	.07
232914	OH NUG3	.07
232915	OH NUG4	.07
232916	OH NUG5	.07
232917	OH NUG6	.07
232918	OH NUG7	.07
200192	P-004 1CT	.19
200193	P-004 2CT	.19
200194	P-004 3CT	.19
200195	P-004 4ST	.29
200034	PCHBTM 2	1.86
200035	PCHBTM 3	1.83
204555	QUEEN ST	.29
228343	QUINTN#1	.12
295952	R-011	24.84
200052	ROCKSP 1	.25
200053	ROCKSP 2	.25
200054	ROCKSP 3	.25
200055	ROCKSP 4	.25
291017	S-107 1CT	7.73
291019	S-107 1ST	15.46
291018	S-107 2CT	7.73
208914	SAHA 34	.1
208915	SAHA 567	.15
208917	SAHA1112	.12
208916	SAHA8910	.18
213941	SCHYLABC	.14
213945	SCHYLKL1	9.89
218360	SEWAREN1	5.82
218361	SEWAREN2	6.61
218362	SEWAREN3	5.99
218363	SEWAREN4	6.95
218364	SEWAREN6	6.21
292089	T-011	.01
886231	T-144 C	.62
292512	T-146 C	4.11
885600	T20SOLAR E	.13
232921	TASLEY2G	.05
204656	TITUS 1G	4.64
204657	TITUS 2G	4.64

Bus Number	Bus Name	Full Contribution
204658	TITUS 3G	4.64
292769	U1-010	.03
292815	U1-056 C	2.69
292966	U2-045 C	.15
293062	U2-076	.59
297005	V2-003 C	.09
297076	V2-028 C	.14
297082	V2-035 C	.05
900111	V4-020	36.4
900131	V4-022 C	.12
904221	V4-023 C1	.4
904223	V4-023 C2	.05
904231	V4-024 C1	.23
904233	V4-024 C2	.23
904241	V4-025 C1	.23
904243	V4-025 C2	.14
904245	V4-025 C3	.04
904247	V4-025 C4	.05
904281	V4-029 C	.45
904361	V4-037 C1	.23
904363	V4-037 C3	.23
904401	V4-041 C	.45
904411	V4-042 C1	.23
904413	V4-042 C2	.23
900361	V4-045	20.98
904611	V4-062 C	.07
904631	V4-064 C	.47
232919	VN10	.02
232907	VN8	.22
228700	VNLD 10	1.37
901001	W1-003 C	.47
901011	W1-004 C	.47
901021	W1-005 C	.47
901031	W1-006 C	.47
901041	W1-008 C	.47
901051	W1-021 C	.45
901061	W1-022 C	.45
901071	W1-023 C	.45
901141	W1-048 C	.11
901171	W1-062	.08
901191	W1-068 C	.45
901201	W1-070 C	.47
901241	W1-076 C	.21

Bus Number	Bus Name	Full Contribution
901281	W1-085 C	.45
901291	W1-086 C	.45
901301	W1-087 C	.45
901311	W1-088 C	.45
901321	W1-089 C	.41
901331	W1-090 C OP1	.4
901391	W1-108	.77
901461	W1-117 C	.45
901471	W1-118 C	.45
901561	W1-130 C	.23
902211	W2-019 C	.13
902251	W2-023	34.94
902271	W2-028	.29
902281	W2-029	.3
902301	W2-035 C	.36
902321	W2-039	3.76
902341	W2-047 C	.21
902621	W2-101 C	.45
903251	W3-009 C	.23
903311	W3-028 C	2.62
903341	W3-032A 1	9.57
903351	W3-032A 2	9.57
903381	W3-033	.44
903471	W3-048	3.04
903481	W3-054AC	.76
903501	W3-058 C	.23
903891	W3-157 C	.04
903921	W3-160 C	.24
903951	W3-174	11.55
903961	W3-175	22.15
905091	W4-009 OP1	40.87
905131	W4-015 C	8.09
905141	W4-016	20.22
905161	W4-018 C	.23
905181	W4-021	41.84
905211	W4-025 C	.15
905221	W4-027 C	.18
905301	W4-040 C	.22
905331	W4-045 C	.2
905391	W4-063 C	.04
907091	X1-013 OP1	17.55
907241	X1-068	.56
907291	X1-074	18.02

Bus Number	Bus Name	Full Contribution
907351	X1-085 C	.11
907401	X1-096 C	1.21
909091	X2-027 C OP1	.05
909101	X2-028 C OP1	.07
909231	X2-066	19.13
909241	X2-067	19.13
910551	X3-006 C	6.16
910571	X3-008 C	.47
910591	X3-015 C	.46
910671	X3-040 C	.24
910681	X3-041 C	.35
910701	X3-044	.84
910821	X3-066 C	.14
910831	X3-068 OP1	43.99
910841	X3-070	.12
910851	X3-071 C	.01
910881	X3-077 C	.01
912101	X4-015 C	.11
912121	X4-017 C	.47
912141	X4-020	45.38
912151	X4-021	18.15
912171	X4-027-CT1	.7
912172	X4-027-CT2	.7
912173	X4-027-CT3	.7
912191	X4-032 C	.23
913041	Y1-008 C	.4
913141	Y1-022 C	.24
913171	Y1-025 C OP1	40.87
913351	Y1-056	1.06
913361	Y1-057 C	.01
913401	Y1-065 C	52.2
913511	Y1-077	4.33
913531	Y1-079 C OP1	.24
913541	Y1-080 C	.08
914271	Y2-078	1.15
914281	Y2-079	11.48

Table 12

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.1
228000	CEDR#1CT	5.3

Bus Number	Bus Name	Full Contribution
228001	CEDR#2CT	2.55
217078	ESSEX 12	-9.64
99210	G07_NEW	27.55
206201	JERSVGEN	.01
206280	LAKEHURS	.05
206366	LKWD CT1	.63
206367	LKWD CT2	.63
206306	LKWD G1	.29
206308	LKWD G2	.29
206312	LKWD G3	.29
206271	MCRC/REC	.05
227807	MO AV B	1.19
206325	O C GEN	2.13
206360	O CRK C1	.12
206361	O CRK C2	.11
94130	O66_NONFIRM	18.5
206358	PARLN1&2	.82
206359	PARLN3&4	.82
206638	PEAPACK	-.23
290092	Q-041 E	-1.55
295952	R-011	275.34
206362	RDOAKCT1	2.7
206363	RDOAKCT2	2.57
206364	RDOAKCT3	2.57
206365	RDOAKST1	3.79
206327	S RIV G1	1.39
206328	S RIV G2	1.39
206329	S RIV G3	1.36
292241	T-076	.4
292512	T-146 C	3.49
292513	T-146 E	13.98
292815	U1-056 C	2.57
292816	U1-056 E	17.18
292966	U2-045 C	.15
292967	U2-045 E	1.04
292078	V1-034	.16
297005	V2-003 C	.08
297006	V2-003 E	.13
297038	V2-013 C	.
297039	V2-013 E	.07
900462	V4-067 E	.1
901082	W1-024 E	.23
901102	W1-032 E	.17

Bus Number	Bus Name	Full Contribution
901411	W1-112 C OP1	.01
901412	W1-112 E OP1	.02
901481	W1-119 C	.02
901482	W1-119 E	1.33
901491	W1-120 C	.02
901492	W1-120 E	1.48
901521	W1-124 C	.05
901522	W1-124 E	3.4
901551	W1-129 C	.01
901552	W1-129 E	.35
902211	W2-019 C	.26
902212	W2-019 E	.42
902292	W2-030 E	.37
902452	W2-074 E	.25
902511	W2-082 C OP1	.02
902512	W2-082 E OP1	.03
902551	W2-088 C	.02
902552	W2-088 E	1.2
903292	W3-025 E	.25
903311	W3-028 C	5.45
903312	W3-028 E	36.71
903381	W3-033	.45
903421	W3-045 C	.01
903422	W3-045 E	.37
903591	W3-079 C	.02
903592	W3-079 E	1.72
903721	W3-120 C	.02
903722	W3-120 E	1.13
903901	W3-158 C	.01
903902	W3-158 E	.53
903912	W3-159 E	.62
905111	W4-011 C	.03
905112	W4-011 E	1.84
905181	W4-021	366.94
905211	W4-025 C	.3
905212	W4-025 E	.5
905291	W4-038 OP1	-1.26
905331	W4-045 C	.37
905332	W4-045 E	.6
905391	W4-063 C	.04
905392	W4-063 E	.26
905432	W4-072 E	.62
907081	X1-037 C	.03

Bus Number	Bus Name	Full Contribution
907082	X1-037 E	2.35
907162	X1-049 E	.13
907222	X1-066 E	.05
907241	X1-068	6.57
907301	X1-077	.
907351	X1-085 C	.15
907352	X1-085 E	.24
909212	X2-059 E	.48
910531	X3-004	-1.83
910762	X3-052 E	-.16
910891	X3-079 C OP1	.02
910892	X3-079 E OP1	.03
912101	X4-015 C	.22
912102	X4-015 E	.35
912182	X4-031 E	.49
913511	Y1-077	3.69
914271	Y2-078	3.37
914281	Y2-079	33.7

Table 13

Bus Number	Bus Name	Full Contribution
228000	CEDR#1CT	3.24
228001	CEDR#2CT	1.56
295952	R-011	129.67
206350	RRCT1&2	.81
206351	RRCT3&4	.84
902211	W2-019 C	.17
903311	W3-028 C	3.32
905091	W4-009 OP1	227.27
905181	W4-021	179.83
905211	W4-025 C	.19
905331	W4-045 C	.25
907241	X1-068	2.98
907351	X1-085 C	.15
912101	X4-015 C	.14
913171	Y1-025 C OP1	227.27
914271	Y2-078	2.04
914281	Y2-079	20.43

Table 14

Bus Number	Bus Name	Full Contribution
219221	BRL12CT1	.29
219222	BRL12CT2	.29
219223	BRL12CT3	.29
219224	BRL12CT4	.29
219103	BURLNGT8	6.16
219124	BURLNGT9	53.99
219156	CAMD CGN	1.28
228251	CARLLS#4	1.06
228000	CEDR#1CT	6.64
228001	CEDR#2CT	3.2
228301	D/W 1 ST	18.52
228302	D/W 6 ST	19.
231904	DC1 NUG	2.61
231905	DC2 NUG	2.61
219230	EAGLE P	.17
219120	EAGLE PT	1.38
231903	GEN4	7.41
219128	GLOUCSTR	.32
232906	IR3	15.85
219134	MERCER 3	23.15
227807	MO AV B	3.91
219137	NAT PARK	7.78
295841	Q-090 2	4.54
228343	QUINTN#1	.46
213918	RICHMD91	.55
213919	RICHMD92	.55
291017	S-107 1CT	38.43
291019	S-107 1ST	76.85
291018	S-107 2CT	38.43
213941	SCHYLABC	-.5
213945	SCHYLKL1	-36.25
886231	T-144 C	.91
292512	T-146 C	13.71
885600	T20SOLAR E	.44
292815	U1-056 C	9.04
292966	U2-045 C	.51
293062	U2-076	2.
291995	U4-036 C	.01
292104	V1-030 C6	.
292088	V1-030 CB	.02
297005	V2-003 C	.3

Bus Number	Bus Name	Full Contribution
297076	V2-028 C	.21
297082	V2-035 C	.18
900131	V4-022 C	.17
904221	V4-023 C1	1.58
904223	V4-023 C2	.19
904231	V4-024 C1	.9
904233	V4-024 C2	.88
904241	V4-025 C1	.97
904243	V4-025 C2	.53
904245	V4-025 C3	.13
904247	V4-025 C4	.21
904281	V4-029 C	1.84
904361	V4-037 C1	.91
904363	V4-037 C3	.92
904401	V4-041 C	1.85
904411	V4-042 C1	.91
904413	V4-042 C2	.96
904611	V4-062 C	.26
904631	V4-064 C	.69
228700	VNLD 10	4.91
901001	W1-003 C	.69
901011	W1-004 C	.69
901021	W1-005 C	.69
901031	W1-006 C	.69
901041	W1-008 C	.69
901051	W1-021 C	1.68
901061	W1-022 C	1.68
901071	W1-023 C	1.68
901141	W1-048 C	.44
901191	W1-068 C	1.76
901201	W1-070 C	.69
901271	W1-083 C	.01
901281	W1-085 C	1.61
901291	W1-086 C	1.61
901301	W1-087 C	1.61
901311	W1-088 C	1.61
901321	W1-089 C	1.47
901331	W1-090 C OP1	1.6
901461	W1-117 C	1.64
901471	W1-118 C	1.64
901561	W1-130 C	.85
902181	W2-014	.02
902211	W2-019 C	.35

Bus Number	Bus Name	Full Contribution
902301	W2-035 C	1.37
902321	W2-039	13.3
902341	W2-047 C	.93
902411	W2-060 C	.05
902621	W2-101 C	1.77
903251	W3-009 C	.85
903301	W3-026 C	.01
903311	W3-028 C	6.34
903341	W3-032A 1	14.13
903351	W3-032A 2	14.13
903381	W3-033	1.46
903401	W3-041 C	.03
903471	W3-048	6.36
903481	W3-054AC	1.12
903501	W3-058 C	.75
903601	W3-080 C	.05
903891	W3-157 C	.15
903921	W3-160 C	.34
903951	W3-174	46.19
903961	W3-175	88.55
905131	W4-015 C	40.2
905141	W4-016	100.5
905161	W4-018 C	.91
905181	W4-021	42.72
905211	W4-025 C	.4
905221	W4-027 C	.67
905301	W4-040 C	.93
905331	W4-045 C	.49
905391	W4-063 C	.13
907031	X1-021 C	.02
907101	X1-039	.19
907201	X1-054 C	.03
907251	X1-070 C	.01
907261	X1-071 C	.
907291	X1-074	26.88
907351	X1-085 C	.2
907401	X1-096 C	1.77
909091	X2-027 C OP1	.18
909101	X2-028 C OP1	.26
909231	X2-066	28.
909241	X2-067	28.26
910571	X3-008 C	.68
910591	X3-015 C	.67

Bus Number	Bus Name	Full Contribution
910671	X3-040 C	.35
910681	X3-041 C	.52
910821	X3-066 C	.2
910841	X3-070	.18
912101	X4-015 C	.29
912121	X4-017 C	.69
912171	X4-027-CT1	1.78
912172	X4-027-CT2	1.78
912173	X4-027-CT3	1.78
913041	Y1-008 C	.59
913511	Y1-077	14.46
913531	Y1-079 C OP1	.33
913541	Y1-080 C	.12
914271	Y2-078	1.96
914281	Y2-079	19.62

Table 15

Bus Number	Bus Name	Full Contribution
228000	CEDR#1CT	3.26
228001	CEDR#2CT	1.57
295952	R-011	130.92
206350	RRCT1&2	.82
206351	RRCT3&4	.85
902211	W2-019 C	.17
903311	W3-028 C	3.35
905091	W4-009 OP1	229.47
905181	W4-021	181.53
905211	W4-025 C	.19
905331	W4-045 C	.26
907241	X1-068	3.01
907351	X1-085 C	.15
912101	X4-015 C	.14
913171	Y1-025 C OP1	229.47
914271	Y2-078	2.06
914281	Y2-079	20.59

Table 16

Bus Number	Bus Name	Full Contribution
235567	ARMSTRONG 1	-8.8
235569	ARMSTRONG 2	-8.75

Bus Number	Bus Name	Full Contribution
216908	BAYONNE	2.78
208972	BECR K09	.01
217006	BERGN26A	1.39
228000	CEDR#1CT	2.41
228001	CEDR#2CT	1.16
217078	ESSEX 12	12.19
206331	GG A1&2	2.63
206332	GG A3&4	2.63
206333	GG B5&6	2.63
206334	GG B7&8	2.63
208943	HARW CT	.07
217081	HUDSON 1	23.79
234304	HUN GEN3	.08
234305	HUN GEN4	.12
234311	HUN GEN5	.14
234312	HUN GEN6	.14
208944	JENK CT	.08
217083	KEARNY11	8.63
209004	KOPP IPP	.02
217086	KRNY9&10	1.39
209003	KSTN IPP	.02
292590	L-018 E	2.57
208945	LOHA CT	.03
209027	LOR2_Q27 E	7.69
208911	MONT G1	1.83
208912	MONT G2	1.87
209006	NEPC IPP	.12
209010	PEIP 1	.08
209009	PEIP 2	.15
204652	PORT1GEN	11.29
204653	PORT2GEN	17.87
295952	R-011	26.33
212384	R-043	.38
212386	R-043	1.54
290673	S-042 C	.35
218360	SEWAREN1	6.52
218361	SEWAREN2	7.37
218362	SEWAREN3	6.69
218363	SEWAREN4	7.72
218364	SEWAREN6	6.91
200715	SHAWVL 1	-12.21
200722	SHAWVL 2	-12.45
200665	SHAWVL 3	-18.52

Bus Number	Bus Name	Full Contribution
212449	SUNB CT	.01
209018	SUNBIPCT	.09
209014	SUNBIPP1	.19
209015	SUNBIPP2	.19
209016	SUNBIPP3	.22
208918	SUSQ 1	3.15
889011	U2-015 C	1.3
293093	U2-077	40.01
893121	V2-027	.
LTF	V4-050	7.01
209019	VIKI IPP	1.66
900801	W1-001	.95
901241	W1-076 C	.23
901541	W1-127 C	.08
902211	W2-019 C	.12
902251	W2-023	39.31
LTF	W2-033	4.3
903271	W3-022 C OP1	1.89
903311	W3-028 C	2.39
903391	W3-039 C	.17
905091	W4-009 OP1	43.63
905181	W4-021	43.5
905211	W4-025 C	.14
905291	W4-038 OP1	1.59
905331	W4-045 C	.18
209029	WAYM IPP	.03
209023	WIENIPP1	.14
209025	WIENIPP3	.14
209026	WIENIPP4	.07
208948	WILL CT	.07
208920	WLPK	.11
907091	X1-013 OP1	30.73
907241	X1-068	.6
907281	X1-073 C OP1	.3
907351	X1-085 C	.1
907381	X1-094 C	.44
907451	X1-108	2.4
909021	X2-012 C	77.99
909081	X2-025	41.32
909171	X2-050	43.73
910531	X3-004	2.32
910931	X3-085 C	.21
912091	X4-012 C OP1	.16

Bus Number	Bus Name	Full Contribution
912101	X4-015 C	.1
912111	X4-016	.66
912131	X4-019	22.55
912261	X4-044 C	.64
912291	X4-048 OP1	145.47
913131	Y1-020 C	.26
913171	Y1-025 C OP1	43.63
913181	Y1-026	10.15
913221	Y1-031 C OP1	.87
913481	Y1-072 C	.05
913561	Y1-084 C OP1	.06
914271	Y2-078	1.11
914281	Y2-079	11.14

Table 17

Bus Number	Bus Name	Full Contribution
232905	BAYVIEW1	.02
219103	BURLNGT8	1.22
219124	BURLNGT9	10.65
228251	CARLLS#4	.28
228000	CEDR#1CT	2.61
228001	CEDR#2CT	1.26
232926	CRISFLD1	.01
228301	D/W 1 ST	4.56
228302	D/W 6 ST	4.67
231904	DC1 NUG	1.73
231905	DC2 NUG	1.73
232900	DEMECSMY	.07
232851	DUP-SFR1	.01
213585	EDDYSTN2	18.27
232616	GEN FOOD	.02
231903	GEN4	4.91
231911	HR5	.18
231912	HR6	.18
231913	HR7	.18
231914	HR8	.27
232920	IR10	.02
232906	IR3	10.62
232904	IR4	.62
213792	MDYRN1-2	.4
213793	MDYRN3-4	.4

Bus Number	Bus Name	Full Contribution
213794	MDYRN5-6	.4
213795	MDYRN7-8	.4
219134	MERCER 3	6.69
227807	MO AV B	1.16
232923	MR1	.02
232924	MR2	.02
232922	MR3	.15
219137	NAT PARK	1.22
232901	NORTHST	.06
293670	O-025 C	.01
232912	OH NUG1	.06
232913	OH NUG2	.06
232914	OH NUG3	.06
232915	OH NUG4	.06
232916	OH NUG5	.06
232917	OH NUG6	.06
232918	OH NUG7	.06
200192	P-004 1CT	.19
200193	P-004 2CT	.19
200194	P-004 3CT	.19
200195	P-004 4ST	.29
200034	PCHBTM 2	1.82
200035	PCHBTM 3	1.8
204555	QUEEN ST	.29
228343	QUINTN#1	.12
295952	R-011	24.38
200052	ROCKSP 1	.24
200053	ROCKSP 2	.24
200054	ROCKSP 3	.25
200055	ROCKSP 4	.25
220915	RVRSDEG6	-6.51
291017	S-107 1CT	7.59
291019	S-107 1ST	15.18
291018	S-107 2CT	7.59
208915	SAHA 567	.15
208917	SAHA1112	.12
208916	SAHA8910	.18
213941	SCHYLABC	.13
213945	SCHYLKL1	9.7
218360	SEWAREN1	5.71
218361	SEWAREN2	6.49
218362	SEWAREN3	5.88
218363	SEWAREN4	6.82

Bus Number	Bus Name	Full Contribution
218364	SEWAREN6	6.1
292089	T-011	.01
886231	T-144 C	.61
292512	T-146 C	4.03
885600	T20SOLAR E	.13
232921	TASLEY2G	.05
204656	TITUS 1G	4.55
204657	TITUS 2G	4.55
204658	TITUS 3G	4.55
292769	U1-010	.03
292815	U1-056 C	2.64
292966	U2-045 C	.15
293062	U2-076	.58
297005	V2-003 C	.09
297076	V2-028 C	.14
297082	V2-035 C	.04
900111	V4-020	35.7
900131	V4-022 C	.12
904221	V4-023 C1	.4
904223	V4-023 C2	.05
904231	V4-024 C1	.22
904233	V4-024 C2	.22
904241	V4-025 C1	.22
904243	V4-025 C2	.13
904245	V4-025 C3	.04
904247	V4-025 C4	.05
904281	V4-029 C	.44
904361	V4-037 C1	.22
904363	V4-037 C3	.22
904401	V4-041 C	.44
904411	V4-042 C1	.22
904413	V4-042 C2	.22
900361	V4-045	20.6
904611	V4-062 C	.07
904631	V4-064 C	.46
232919	VN10	.02
232907	VN8	.22
228700	VNLD 10	1.35
901001	W1-003 C	.46
901011	W1-004 C	.46
901021	W1-005 C	.46
901031	W1-006 C	.46
901041	W1-008 C	.46

Bus Number	Bus Name	Full Contribution
901051	W1-021 C	.44
901061	W1-022 C	.44
901071	W1-023 C	.44
901141	W1-048 C	.11
901171	W1-062	.08
901191	W1-068 C	.44
901201	W1-070 C	.46
901241	W1-076 C	.21
901281	W1-085 C	.44
901291	W1-086 C	.44
901301	W1-087 C	.44
901311	W1-088 C	.44
901321	W1-089 C	.4
901331	W1-090 C OP1	.4
901391	W1-108	.76
901461	W1-117 C	.44
901471	W1-118 C	.44
901561	W1-130 C	.22
902211	W2-019 C	.13
902251	W2-023	34.3
902271	W2-028	.29
902281	W2-029	.29
902301	W2-035 C	.35
902321	W2-039	3.69
902341	W2-047 C	.21
902621	W2-101 C	.44
903251	W3-009 C	.22
903311	W3-028 C	2.57
903341	W3-032A 1	9.39
903351	W3-032A 2	9.39
903381	W3-033	.44
903471	W3-048	2.99
903481	W3-054AC	.75
903501	W3-058 C	.22
903891	W3-157 C	.04
903921	W3-160 C	.23
903951	W3-174	11.34
903961	W3-175	21.75
905091	W4-009 OP1	40.12
905131	W4-015 C	7.94
905141	W4-016	19.85
905161	W4-018 C	.22
905181	W4-021	41.08

Bus Number	Bus Name	Full Contribution
905211	W4-025 C	.15
905221	W4-027 C	.17
905301	W4-040 C	.22
905331	W4-045 C	.19
905391	W4-063 C	.04
907241	X1-068	.55
907291	X1-074	17.69
907351	X1-085 C	.11
907401	X1-096 C	1.18
909091	X2-027 C OP1	.04
909101	X2-028 C OP1	.07
909231	X2-066	18.78
909241	X2-067	18.78
910551	X3-006 C	6.04
910571	X3-008 C	.46
910591	X3-015 C	.45
910671	X3-040 C	.24
910681	X3-041 C	.35
910701	X3-044	.82
910821	X3-066 C	.14
910831	X3-068 OP1	42.78
910841	X3-070	.12
910851	X3-071 C	.01
910881	X3-077 C	.01
912101	X4-015 C	.11
912121	X4-017 C	.46
912141	X4-020	44.57
912151	X4-021	17.83
912171	X4-027-CT1	.69
912172	X4-027-CT2	.69
912173	X4-027-CT3	.69
912191	X4-032 C	.23
913041	Y1-008 C	.39
913141	Y1-022 C	.24
913171	Y1-025 C OP1	40.12
913181	Y1-026	1.56
913351	Y1-056	1.04
913361	Y1-057 C	.01
913401	Y1-065 C	51.28
913511	Y1-077	4.25
913531	Y1-079 C OP1	.23
913541	Y1-080 C	.08
914271	Y2-078	1.13

Bus Number	Bus Name	Full Contribution
914281	Y2-079	11.27

Table 18

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	1.17
219124	BURLNGT9	10.27
228251	CARLLS#4	.27
228000	CEDR#1CT	2.52
228001	CEDR#2CT	1.21
228301	D/W 1 ST	4.39
228302	D/W 6 ST	4.51
231904	DC1 NUG	1.67
231905	DC2 NUG	1.67
213585	EDDYSTN2	17.62
231903	GEN4	4.74
208453	HONY	.09
232906	IR3	10.24
219134	MERCER 3	6.46
227807	MO AV B	1.12
214194	N WALES4	.11
219137	NAT PARK	1.18
204555	QUEEN ST	.28
228343	QUINTN#1	.11
295952	R-011	23.54
220915	RVRSEDEG6	-7.24
291017	S-107 1CT	7.32
291019	S-107 1ST	14.64
291018	S-107 2CT	7.32
213941	SCHYLABC	.13
213945	SCHYLKL1	9.35
218360	SEWAREN1	5.51
218361	SEWAREN2	6.26
218362	SEWAREN3	5.68
218363	SEWAREN4	6.58
218364	SEWAREN6	5.89
208769	SISO	.13
886231	T-144 C	.59
886232	T-144 E	.57
292512	T-146 C	3.89
292513	T-146 E	15.56
885600	T20SOLAR E	.12

Bus Number	Bus Name	Full Contribution
204656	TITUS 1G	4.37
204657	TITUS 2G	4.37
204658	TITUS 3G	4.37
292815	U1-056 C	2.55
292816	U1-056 E	17.07
292966	U2-045 C	.15
292967	U2-045 E	.97
293062	U2-076	.56
291996	U4-036 E	.18
292063	V1-021 E	.02
292194	V1-030 CE	.12
292095	V1-030 E1	.08
292185	V1-030 E2	.21
292099	V1-030 E3	.05
292101	V1-030 E4	.05
292103	V1-030 E5	.13
292105	V1-030 E6	.05
292107	V1-030 E7	.04
292087	V1-030 E8	.05
292189	V1-030 EA	.25
292115	V1-030 EB	.2
292195	V1-030 EE	.19
297005	V2-003 C	.09
297006	V2-003 E	.14
297021	V2-009 E1	.08
297023	V2-009 E2	.17
297025	V2-009 E3	.21
297027	V2-009 E4	.13
297039	V2-013 E	.02
297076	V2-028 C	.13
297077	V2-028 E	.22
297082	V2-035 C	.04
297083	V2-035 E	.07
297090	V2-041 E	.14
297104	V2-046 E	.73
297106	V2-047 E	.08
293378	V3-024 E	.17
293451	V3-051 E	.16
292666	V3-058 E	.11
292668	V3-059 E	.11
292681	V3-069 E	.06
292683	V3-070 E	.26
904042	V4-005 E	.1

Bus Number	Bus Name	Full Contribution
904082	V4-009 E	.35
900111	V4-020	7.67
900131	V4-022 C	.11
900132	V4-022 E	.18
904221	V4-023 C1	.38
904223	V4-023 C2	.05
904222	V4-023 E1	.63
904224	V4-023 E2	.07
904231	V4-024 C1	.21
904233	V4-024 C2	.21
904232	V4-024 E1	.35
904234	V4-024 E2	.35
904241	V4-025 C1	.21
904243	V4-025 C2	.13
904245	V4-025 C3	.03
904247	V4-025 C4	.05
904242	V4-025 E1	.35
904244	V4-025 E2	.21
904246	V4-025 E3	.06
904248	V4-025 E4	.08
904281	V4-029 C	.43
904282	V4-029 E	.7
904361	V4-037 C1	.21
904363	V4-037 C3	.21
904362	V4-037 E2	.35
904364	V4-037 E4	.35
904401	V4-041 C	.43
904402	V4-041 E	.7
904411	V4-042 C1	.21
904413	V4-042 C2	.21
904412	V4-042 E1	.35
904414	V4-042 E2	.35
900361	V4-045	19.89
904512	V4-052 E	.22
904532	V4-054 E	.7
904611	V4-062 C	.06
904612	V4-062 E	.1
904631	V4-064 C	.45
904632	V4-064 E	.73
900462	V4-067 E	.09
904682	V4-069 E	.1
904692	V4-070 E	.1
904742	V4-075 E	.07

Bus Number	Bus Name	Full Contribution
228700	VNLD 10	1.3
901001	W1-003 C	.45
901002	W1-003 E	.73
901011	W1-004 C	.45
901012	W1-004 E	.73
901021	W1-005 C	.45
901022	W1-005 E	.73
901031	W1-006 C	.45
901032	W1-006 E	.73
901041	W1-008 C	.45
901042	W1-008 E	.73
901051	W1-021 C	.43
901052	W1-021 E	.7
901061	W1-022 C	.43
901062	W1-022 E	.7
901071	W1-023 C	.43
901072	W1-023 E	.7
901082	W1-024 E	.13
901102	W1-032 E	.1
901141	W1-048 C	.11
901142	W1-048 E	.17
901191	W1-068 C	.43
901192	W1-068 E	.7
901201	W1-070 C	.45
901202	W1-070 E	.73
901241	W1-076 C	.2
901242	W1-076 E	.33
901272	W1-083 E	.16
901281	W1-085 C	.43
901282	W1-085 E	.7
901291	W1-086 C	.43
901292	W1-086 E	.7
901301	W1-087 C	.43
901302	W1-087 E	.7
901311	W1-088 C	.43
901312	W1-088 E	.7
901321	W1-089 C	.38
901322	W1-089 E	.63
901331	W1-090 C OPI	.38
901332	W1-090 E OPI	.63
901362	W1-105 E	.1
901391	W1-108	.73
901422	W1-113 E	.27

Bus Number	Bus Name	Full Contribution
901461	W1-117 C	.43
901462	W1-117 E	.7
901471	W1-118 C	.43
901472	W1-118 E	.7
901482	W1-119 E	.61
901492	W1-120 E	.68
901502	W1-121 E	.27
901522	W1-124 E	.57
901552	W1-129 E	.17
901561	W1-130 C	.21
901562	W1-130 E	.35
901572	W1-132 E	.11
902211	W2-019 C	.13
902212	W2-019 E	.2
902251	W2-023	33.12
902262	W2-026 E	.09
902271	W2-028	.28
902281	W2-029	.28
902292	W2-030 E	.35
902301	W2-035 C	.34
902302	W2-035 E	.56
902312	W2-036 E	.03
902321	W2-039	3.56
902341	W2-047 C	.2
902342	W2-047 E	.33
902372	W2-050 E	.53
902382	W2-052 E	.03
902392	W2-056 E	.38
902412	W2-060 E	.69
902422	W2-061 E	.1
902432	W2-071 E	.1
902452	W2-074 E	.05
902472	W2-076 E	.07
902482	W2-078 E	.3
902542	W2-085 E	.33
902552	W2-088 E	.57
902562	W2-090 E	.69
902621	W2-101 C	.43
902622	W2-101 E	.7
902632	W2-102 E	.24
903222	W3-003 E	.53
903251	W3-009 C	.21
903252	W3-009 E	.35

Bus Number	Bus Name	Full Contribution
903292	W3-025 E	.11
903302	W3-026 E	.17
903311	W3-028 C	2.48
903312	W3-028 E	16.69
903322	W3-029 E	.56
903341	W3-032A 1	9.06
903351	W3-032A 2	9.06
903381	W3-033	.42
903402	W3-041 E	.35
903422	W3-045 E	.1
903471	W3-048	2.88
903481	W3-054AC	.72
903482	W3-054AE	4.84
903492	W3-057 E	.69
903501	W3-058 C	.21
903502	W3-058 E	.35
903582	W3-078 E	.44
903592	W3-079 E	.47
903602	W3-080 E	.69
903652	W3-101 E	.11
903722	W3-120 E	.58
903732	W3-124 E	.1
903882	W3-155 E	-.06
903891	W3-157 C	.04
903892	W3-157 E	.06
903902	W3-158 E	.27
903912	W3-159 E	.41
903921	W3-160 C	.22
903922	W3-160 E	.36
903951	W3-174	10.94
903961	W3-175	20.98
905091	W4-009 OP1	38.74
905102	W4-010 E	-2.37
905112	W4-011 E	.5
905131	W4-015 C	7.66
905141	W4-016	19.15
905161	W4-018 C	.21
905162	W4-018 E	.35
905181	W4-021	39.65
905211	W4-025 C	.14
905212	W4-025 E	.24
905221	W4-027 C	.17
905222	W4-027 E	.28

Bus Number	Bus Name	Full Contribution
905232	W4-029 E	.1
905301	W4-040 C	.21
905302	W4-040 E	.34
905331	W4-045 C	.19
905332	W4-045 E	.31
905352	W4-053 E	.11
905362	W4-058 E	.02
905391	W4-063 C	.04
905392	W4-063 E	.24
905432	W4-072 E	.54
905452	W4-080 E	.66
905482	W4-085 E	.11
905512	W4-089 E	.11
905522	W4-090 E	.11
905562	W4-103 E	.24
907032	X1-021 E	.17
907052	X1-032 E	.23
907082	X1-037 E	.57
907132	X1-043 E	.11
907162	X1-049 E	.11
907202	X1-054 E	.35
907222	X1-066 E	.06
907241	X1-068	.53
907252	X1-070 E	.13
907262	X1-071 E	.04
907291	X1-074	17.06
907351	X1-085 C	.1
907352	X1-085 E	.17
907401	X1-096 C	1.14
907402	X1-096 E	7.65
907472	X1-110 E	.11
909032	X2-013 E	.11
909091	X2-027 C OP1	.04
909092	X2-027 E OP1	.07
909101	X2-028 C OP1	.06
909102	X2-028 E OP1	.1
909122	X2-033 E	.1
909192	X2-054 E	.53
909212	X2-059 E	.34
909231	X2-066	18.11
909241	X2-067	18.11
909252	X2-075 E	.2
909312	X2-088 E	.08

Bus Number	Bus Name	Full Contribution
909322	X2-089 E	.09
910551	X3-006 C	5.82
910552	X3-006 E	2.12
910562	X3-007 E	.11
910571	X3-008 C	.45
910572	X3-008 E	.73
910591	X3-015 C	.43
910592	X3-015 E	.71
910671	X3-040 C	.23
910672	X3-040 E	1.53
910681	X3-041 C	.33
910682	X3-041 E	.54
910692	X3-043 E	.42
910821	X3-066 C	.13
910822	X3-066 E	.22
910831	X3-068 OP1	40.1
910841	X3-070	.12
910852	X3-071 E	.36
910862	X3-075 E	.17
910882	X3-077 E	.36
910902	X3-081 E	.03
912032	X4-004 E	.28
912042	X4-005 E	3.21
912101	X4-015 C	.1
912102	X4-015 E	.17
912121	X4-017 C	.45
912122	X4-017 E	.73
912141	X4-020	43.04
912151	X4-021	17.22
912171	X4-027-CT1	.67
912172	X4-027-CT2	.67
912173	X4-027-CT3	.67
912182	X4-031 E	.11
912191	X4-032 C	.22
912192	X4-032 E	.11
912232	X4-040 E	.12
912271	X4-045 E	.03
912282	X4-046 E	-1.07
913041	Y1-008 C	.38
913042	Y1-008 E	2.55
913141	Y1-022 C	.22
913142	Y1-022 E	.37
913171	Y1-025 C OP1	38.74

Bus Number	Bus Name	Full Contribution
913172	Y1-025 E OP1	3.21
913361	Y1-057 C	.01
913362	Y1-057 E	.11
913401	Y1-065 C	49.49
913402	Y1-065 E	2.89
913502	Y1-075 E	.1
913511	Y1-077	4.1
913531	Y1-079 C OP1	.22
913532	Y1-079 E OP1	.36
913541	Y1-080 C	.08
913542	Y1-080 E	.12
914271	Y2-078	1.09
914281	Y2-079	10.88

Table 19

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.72
228001	CEDR#2CT	2.75
217078	ESSEX 12	-11.82
227807	MO AV B	1.31
94130	O66_NONFIRM	22.68
295952	R-011	229.34
206350	RRCT1&2	1.44
206351	RRCT3&4	1.49
292512	T-146 C	3.86
292815	U1-056 C	2.82
292966	U2-045 C	.17
292078	V1-034	.19
297005	V2-003 C	.08
902211	W2-019 C	.3
903311	W3-028 C	5.87
903381	W3-033	.5
903501	W3-058 C	.19
905091	W4-009 OP1	401.97
905181	W4-021	318.04
905211	W4-025 C	.34
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905391	W4-063 C	.04
907241	X1-068	5.28

Bus Number	Bus Name	Full Contribution
907351	X1-085 C	.26
907381	X1-094 C	-.36
910531	X3-004	-2.25
910931	X3-085 C	-.18
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
913171	Y1-025 C OP1	401.97
913511	Y1-077	4.07
914271	Y2-078	3.61
914281	Y2-079	36.1

Table 20

Bus Number	Bus Name	Full Contribution
219221	BRL12CT1	.2
219222	BRL12CT2	.2
219223	BRL12CT3	.2
219224	BRL12CT4	.2
219103	BURLNGT8	4.19
219124	BURLNGT9	36.74
219156	CAMD CGN	1.38
228200	CARL#1CT	.18
228201	CARL#2CT	.18
228251	CARLS#4	1.
228309	CCLP NUG	1.31
228000	CEDR#1CT	6.12
228001	CEDR#2CT	2.94
228301	D/W 1 ST	17.55
228302	D/W 6 ST	18.
219230	EAGLE P	.18
219120	EAGLE PT	1.45
219128	GLOUCSTR	.35
227881	GRENWCHG	.01
228304	LOGAN	1.35
228334	MANNMILG	.04
219134	MERCER 3	6.72
228400	MICK 1CT	.33
227807	MO AV B	3.65
219137	NAT PARK	8.38
228307	PCLP GT	.33
228306	PCLP STM	.33
295841	Q-090 2	4.38

Bus Number	Bus Name	Full Contribution
228343	QUINTN#1	.44
291413	S-043	.08
291017	S-107 1CT	37.1
291019	S-107 1ST	74.19
291018	S-107 2CT	37.1
291065	S121	.3
213941	SCHYLABC	-.32
213945	SCHYLKL1	-22.7
292200	T-059	.08
292512	T-146 C	12.79
885600	T20SOLAR E	.13
292815	U1-056 C	8.47
292827	U1-066 1CT	.04
292828	U1-066 2CT	.04
292966	U2-045 C	.47
293062	U2-076	.58
291995	U4-036 C	.01
292186	V1-030 C3	.
292104	V1-030 C6	.
292088	V1-030 CB	.02
297005	V2-003 C	.28
297082	V2-035 C	.17
297103	V2-046 C	.04
904041	V4-005 C	.01
904081	V4-009 C	.02
904221	V4-023 C1	1.5
904223	V4-023 C2	.18
904231	V4-024 C1	.85
904233	V4-024 C2	.83
904241	V4-025 C1	.92
904243	V4-025 C2	.5
904245	V4-025 C3	.12
904247	V4-025 C4	.19
904281	V4-029 C	1.74
904361	V4-037 C1	.86
904363	V4-037 C3	.87
904401	V4-041 C	1.75
904411	V4-042 C1	.86
904413	V4-042 C2	.92
904531	V4-054 C	.04
904611	V4-062 C	.25
228471	VALERO	.14
228472	VALERO	.07

Bus Number	Bus Name	Full Contribution
228473	VALERO	.07
228484	VALERO	.08
228700	VNLD 10	4.59
901051	W1-021 C	1.58
901061	W1-022 C	1.58
901071	W1-023 C	1.58
901121	W1-039	.06
901141	W1-048 C	.42
901191	W1-068 C	1.66
901271	W1-083 C	.02
901281	W1-085 C	1.5
901291	W1-086 C	1.5
901301	W1-087 C	1.5
901311	W1-088 C	1.5
901321	W1-089 C	1.37
901331	W1-090 C OPI	1.49
901461	W1-117 C	1.53
901471	W1-118 C	1.53
901561	W1-130 C	.8
902211	W2-019 C	.31
902301	W2-035 C	1.29
902321	W2-039	12.42
902341	W2-047 C	.89
902391	W2-056 C	.02
902411	W2-060 C	.04
902431	W2-071 C	.01
902561	W2-090 C	.04
902621	W2-101 C	1.67
902631	W2-102 C	.01
903251	W3-009 C	.8
903301	W3-026 C	.01
903311	W3-028 C	5.82
903381	W3-033	1.37
903401	W3-041 C	.02
903471	W3-048	5.28
903491	W3-057 C	.04
903501	W3-058 C	.7
903601	W3-080 C	.04
903731	W3-124 C	.01
903891	W3-157 C	.14
903951	W3-174	43.64
903961	W3-175	83.67
905131	W4-015 C	38.81

Bus Number	Bus Name	Full Contribution
905141	W4-016	97.02
905161	W4-018 C	.86
905181	W4-021	38.34
905211	W4-025 C	.36
905221	W4-027 C	.63
905231	W4-029 C	.01
905301	W4-040 C	.89
905331	W4-045 C	.44
905391	W4-063 C	.12
905561	W4-103 C	.01
907031	X1-021 C	.02
907101	X1-039	.2
907201	X1-054 C	.02
907251	X1-070 C	.01
907261	X1-071 C	.
907351	X1-085 C	.18
909091	X2-027 C OPI	.17
909101	X2-028 C OPI	.25
910691	X3-043 C	.03
912101	X4-015 C	.26
913501	Y1-075 C	.
913511	Y1-077	13.49
914271	Y2-078	1.76
914281	Y2-079	17.6

Table 21

Bus Number	Bus Name	Full Contribution
235567	ARMSTRONG 1	-8.94
235569	ARMSTRONG 2	-8.89
216908	BAYONNE	2.83
208972	BECR K09	.01
217006	BERGN26A	1.42
219103	BURLNGT8	1.05
219124	BURLNGT9	9.22
228000	CEDR#1CT	2.46
228001	CEDR#2CT	1.18
217078	ESSEX 12	12.4
206331	GG A1&2	2.67
206332	GG A3&4	2.67
206333	GG B5&6	2.67
206334	GG B7&8	2.67

Bus Number	Bus Name	Full Contribution
208943	HARW CT	.07
217081	HUDSON 1	24.2
234304	HUN GEN3	.08
234305	HUN GEN4	.12
234311	HUN GEN5	.14
234312	HUN GEN6	.14
208944	JENK CT	.08
217083	KEARNY11	8.78
209004	KOPP IPP	.02
217086	KRNY9&10	1.42
209003	KSTN IPP	.02
292590	L-018 E	2.61
208945	LOHA CT	.03
209027	LOR2_Q27 E	7.82
219134	MERCER 3	5.79
227807	MO AV B	1.01
208911	MONT G1	1.86
208912	MONT G2	1.9
209006	NEPC IPP	.13
209010	PEIP 1	.09
209009	PEIP 2	.15
204652	PORT1GEN	11.48
204653	PORT2GEN	18.18
295952	R-011	26.78
212384	R-043	.39
212386	R-043	1.56
290673	S-042 C	.36
218360	SEWAREN1	6.64
218361	SEWAREN2	7.5
218362	SEWAREN3	6.8
218363	SEWAREN4	7.86
218364	SEWAREN6	7.03
200715	SHAWVL 1	-12.39
200722	SHAWVL 2	-12.62
200665	SHAWVL 3	-18.78
212449	SUNB CT	.01
209018	SUNBIPCT	.09
209014	SUNBIPP1	.19
209015	SUNBIPP2	.19
209016	SUNBIPP3	.23
208918	SUSQ 1	3.2
885600	T20SOLAR E	.11
292815	U1-056 C	2.29

Bus Number	Bus Name	Full Contribution
889011	U2-015 C	1.32
292966	U2-045 C	.13
293062	U2-076	.5
293093	U2-077	40.7
893121	V2-027	.
LTF	V4-050	7.13
209019	VIKI IPP	1.69
900801	W1-001	.97
901241	W1-076 C	.23
901541	W1-127 C	.08
902211	W2-019 C	.13
902251	W2-023	39.98
LTF	W2-033	4.38
903271	W3-022 C OP1	1.92
903311	W3-028 C	2.43
903381	W3-033	.38
903391	W3-039 C	.18
905091	W4-009 OP1	44.38
905181	W4-021	44.24
905211	W4-025 C	.14
905291	W4-038 OP1	1.62
905331	W4-045 C	.19
905391	W4-063 C	.03
209029	WAYM IPP	.03
209023	WIENIPP1	.14
209025	WIENIPP3	.15
209026	WIENIPP4	.07
208948	WILL CT	.07
208920	WLPK	.12
907091	X1-013 OP1	31.27
907241	X1-068	.61
907281	X1-073 C OP1	.31
907351	X1-085 C	.11
907381	X1-094 C	.45
907451	X1-108	2.44
909021	X2-012 C	79.32
909081	X2-025	42.02
909171	X2-050	44.48
910531	X3-004	2.36
910931	X3-085 C	.21
912091	X4-012 C OP1	.17
912101	X4-015 C	.1
912111	X4-016	.67

Bus Number	Bus Name	Full Contribution
912131	X4-019	22.93
912261	X4-044 C	.65
912291	X4-048 OP1	147.94
913131	Y1-020 C	.27
913171	Y1-025 C OP1	44.38
913181	Y1-026	10.33
913221	Y1-031 C OP1	.89
913481	Y1-072 C	.05
913561	Y1-084 C OP1	.06
914271	Y2-078	1.13
914281	Y2-079	11.34

Table 22

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	4.18
219124	BURLNGT9	36.62
219156	CAMD CGN	1.4
228200	CARL#1CT	.2
228201	CARL#2CT	.2
228251	CARLLS#4	1.11
228309	CCLP NUG	1.47
228000	CEDR#1CT	6.52
228001	CEDR#2CT	3.14
213400	COVANTA DELA	.47
228301	D/W 1 ST	19.44
228302	D/W 6 ST	19.94
231904	DC1 NUG	2.79
231905	DC2 NUG	2.79
219230	EAGLE P	.19
219120	EAGLE PT	1.51
231903	GEN4	7.92
219128	GLOUCSTR	.35
227881	GRENWCHG	.01
232906	IR3	16.86
228304	LOGAN	1.51
228334	MANNMILG	.05
219134	MERCER 3	5.9
228400	MICK 1CT	.37
227807	MO AV B	3.99
219137	NAT PARK	8.51
228307	PCLP GT	.37

Bus Number	Bus Name	Full Contribution
228306	PCLP STM	.37
295841	Q-090 2	4.89
228343	QUINTN#1	.49
291413	S-043	.09
291017	S-107 1CT	41.41
291019	S-107 1ST	82.82
291018	S-107 2CT	41.41
291065	S121	.33
213941	SCHYLABC	-.48
213945	SCHYLKL1	-34.61
292200	T-059	.09
886231	T-144 C	.96
292512	T-146 C	14.1
885600	T20SOLAR E	.11
292815	U1-056 C	9.27
292827	U1-066 1CT	.05
292828	U1-066 2CT	.05
292966	U2-045 C	.52
293062	U2-076	.51
291995	U4-036 C	.02
292186	V1-030 C3	.
292104	V1-030 C6	.
292088	V1-030 CB	.02
297005	V2-003 C	.31
297076	V2-028 C	.22
297082	V2-035 C	.18
297103	V2-046 C	.04
904041	V4-005 C	.01
904081	V4-009 C	.02
900131	V4-022 C	.18
904221	V4-023 C1	1.65
904223	V4-023 C2	.2
904231	V4-024 C1	.95
904233	V4-024 C2	.93
904241	V4-025 C1	1.03
904243	V4-025 C2	.56
904245	V4-025 C3	.14
904247	V4-025 C4	.22
904281	V4-029 C	1.94
904361	V4-037 C1	.96
904363	V4-037 C3	.97
904401	V4-041 C	1.92
904411	V4-042 C1	.94

Bus Number	Bus Name	Full Contribution
904413	V4-042 C2	1.01
904531	V4-054 C	.04
904611	V4-062 C	.27
904631	V4-064 C	.73
228471	VALERO	.16
228472	VALERO	.08
228473	VALERO	.08
228484	VALERO	.09
228700	VNLD 10	5.1
901001	W1-003 C	.73
901011	W1-004 C	.73
901021	W1-005 C	.73
901031	W1-006 C	.73
901041	W1-008 C	.73
901051	W1-021 C	1.75
901061	W1-022 C	1.75
901071	W1-023 C	1.75
901121	W1-039	.07
901141	W1-048 C	.46
901191	W1-068 C	1.85
901201	W1-070 C	.73
901271	W1-083 C	.02
901281	W1-085 C	1.67
901291	W1-086 C	1.67
901301	W1-087 C	1.67
901311	W1-088 C	1.67
901321	W1-089 C	1.53
901331	W1-090 C OP1	1.61
901461	W1-117 C	1.71
901471	W1-118 C	1.71
901561	W1-130 C	.88
902211	W2-019 C	.32
902301	W2-035 C	1.44
902321	W2-039	13.82
902341	W2-047 C	.99
902391	W2-056 C	.02
902431	W2-071 C	.01
902561	W2-090 C	.04
902621	W2-101 C	1.86
902631	W2-102 C	.01
903251	W3-009 C	.89
903311	W3-028 C	6.19
903341	W3-032A 1	15.

Bus Number	Bus Name	Full Contribution
903351	W3-032A 2	15.
903381	W3-033	1.49
903471	W3-048	6.55
903481	W3-054AC	1.19
903491	W3-057 C	.04
903501	W3-058 C	.78
903651	W3-101 C	.01
903731	W3-124 C	.01
903891	W3-157 C	.15
903921	W3-160 C	.37
903951	W3-174	49.07
903961	W3-175	94.09
905131	W4-015 C	43.32
905141	W4-016	108.3
905161	W4-018 C	.94
905181	W4-021	37.8
905211	W4-025 C	.37
905221	W4-027 C	.69
905231	W4-029 C	.01
905301	W4-040 C	.98
905331	W4-045 C	.45
905391	W4-063 C	.13
905561	W4-103 C	.01
907031	X1-021 C	.02
907101	X1-039	.21
907251	X1-070 C	.01
907261	X1-071 C	.
907291	X1-074	28.47
907351	X1-085 C	.18
907401	X1-096 C	1.88
909091	X2-027 C OP1	.19
909101	X2-028 C OP1	.28
909231	X2-066	29.78
909241	X2-067	30.01
910571	X3-008 C	.73
910591	X3-015 C	.71
910671	X3-040 C	.38
910681	X3-041 C	.55
910691	X3-043 C	.03
910821	X3-066 C	.21
910841	X3-070	.2
912101	X4-015 C	.27
912121	X4-017 C	.73

Bus Number	Bus Name	Full Contribution
912171	X4-027-CT1	1.91
912172	X4-027-CT2	1.91
912173	X4-027-CT3	1.91
913041	Y1-008 C	.63
913501	Y1-075 C	.
913511	Y1-077	14.88
913531	Y1-079 C OP1	.36
913541	Y1-080 C	.12
914271	Y2-078	1.81
914281	Y2-079	18.1

Table 23

Bus Number	Bus Name	Full Contribution
232905	BAYVIEW1	.08
219103	BURLNGT8	4.04
219124	BURLNGT9	35.39
228251	CARLLS#4	1.04
228000	CEDR#1CT	8.08
228001	CEDR#2CT	3.89
232926	CRISFLD1	.07
228301	D/W 1 ST	16.57
228302	D/W 6 ST	16.99
231904	DC1 NUG	8.06
231905	DC2 NUG	8.06
232900	DEMECSMY	.33
232851	DUP-SFR1	.07
232902	EASTMUNI	.47
213585	EDDYSTN2	65.42
232616	GEN FOOD	.11
231903	GEN4	22.92
231911	HR5	.87
231912	HR6	.87
231913	HR7	.87
231914	HR8	1.32
232920	IR10	.11
232906	IR3	50.71
232904	IR4	2.96
213792	MDYRN1-2	2.43
213793	MDYRN3-4	2.44
213794	MDYRN5-6	2.43
213795	MDYRN7-8	2.44

Bus Number	Bus Name	Full Contribution
219134	MERCER 3	21.82
227807	MO AV B	4.07
232923	MR1	.12
232924	MR2	.12
232922	MR3	.7
219137	NAT PARK	4.2
232901	NORTHST	.27
232910	NRG_G1	.3
232911	NRG_G2	.3
293670	O-025 C	.04
232912	OH NUG1	.31
232913	OH NUG2	.3
232914	OH NUG3	.31
232915	OH NUG4	.31
232916	OH NUG5	.31
232917	OH NUG6	.31
232918	OH NUG7	.31
200192	P-004 1CT	1.25
200193	P-004 2CT	1.25
200194	P-004 3CT	1.25
200195	P-004 4ST	1.93
200034	PCHBTM 2	12.24
200035	PCHBTM 3	12.08
228343	QUINTN#1	.43
295952	R-011	55.48
200052	ROCKSP 1	1.56
200053	ROCKSP 2	1.56
200054	ROCKSP 3	1.58
200055	ROCKSP 4	1.58
291017	S-107 1CT	27.09
291019	S-107 1ST	54.17
291018	S-107 2CT	27.09
213941	SCHYLABC	.46
213945	SCHYLKL1	33.42
218360	SEWAREN1	11.8
218361	SEWAREN2	13.52
218362	SEWAREN3	12.26
218363	SEWAREN4	14.32
218364	SEWAREN6	12.81
292089	T-011	.03
886231	T-144 C	2.9
292512	T-146 C	14.5
885600	T20SOLAR E	.41

Bus Number	Bus Name	Full Contribution
232921	TASLEY2G	.22
292769	U1-010	.18
292815	U1-056 C	9.32
292966	U2-045 C	.53
293062	U2-076	1.88
293093	U2-077	69.44
297005	V2-003 C	.32
297076	V2-028 C	.66
297082	V2-035 C	.16
900131	V4-022 C	.55
904221	V4-023 C1	1.43
904223	V4-023 C2	.17
904231	V4-024 C1	.81
904233	V4-024 C2	.82
904241	V4-025 C1	.81
904243	V4-025 C2	.5
904245	V4-025 C3	.13
904247	V4-025 C4	.19
904281	V4-029 C	1.63
904361	V4-037 C1	.81
904363	V4-037 C3	.81
904401	V4-041 C	1.61
904411	V4-042 C1	.81
904413	V4-042 C2	.8
900361	V4-045	138.38
LTF	V4-050	15.72
904611	V4-062 C	.25
904631	V4-064 C	2.2
232813	VAUGHN	.03
232919	VN10	.11
232907	VN8	1.05
228700	VNLD 10	4.99
900801	W1-001	1.65
901001	W1-003 C	2.2
901011	W1-004 C	2.2
901021	W1-005 C	2.2
901031	W1-006 C	2.2
901041	W1-008 C	2.2
901051	W1-021 C	1.64
901061	W1-022 C	1.64
901071	W1-023 C	1.64
901141	W1-048 C	.41
901171	W1-062	.36

Bus Number	Bus Name	Full Contribution
901191	W1-068 C	1.64
901201	W1-070 C	2.2
901241	W1-076 C	.43
901281	W1-085 C	1.65
901291	W1-086 C	1.65
901301	W1-087 C	1.65
901311	W1-088 C	1.65
901321	W1-089 C	1.48
901331	W1-090 C OP1	1.44
901391	W1-108	2.63
901461	W1-117 C	1.65
901471	W1-118 C	1.65
901561	W1-130 C	.79
902211	W2-019 C	.39
902251	W2-023	70.47
902271	W2-028	.91
902281	W2-029	.97
902301	W2-035 C	1.29
902321	W2-039	13.7
902341	W2-047 C	.77
902621	W2-101 C	1.64
903251	W3-009 C	.82
903311	W3-028 C	7.85
903341	W3-032A 1	45.05
903351	W3-032A 2	45.05
903381	W3-033	1.52
903471	W3-048	13.07
903481	W3-054AC	3.58
903501	W3-058 C	.81
903891	W3-157 C	.14
903921	W3-160 C	1.1
903951	W3-174	42.43
903961	W3-175	81.36
905091	W4-009 OP1	89.89
905131	W4-015 C	28.34
905141	W4-016	70.84
905161	W4-018 C	.81
905181	W4-021	97.37
905211	W4-025 C	.44
905221	W4-027 C	.63
905301	W4-040 C	.78
905331	W4-045 C	.56
905391	W4-063 C	.13

Bus Number	Bus Name	Full Contribution
907241	X1-068	1.26
907291	X1-074	85.32
907351	X1-085 C	.3
907401	X1-096 C	5.65
907411	X1-097	.18
909091	X2-027 C OP1	.16
909101	X2-028 C OP1	.25
909231	X2-066	89.67
909241	X2-067	90.1
910571	X3-008 C	2.2
910591	X3-015 C	2.14
910671	X3-040 C	1.13
910681	X3-041 C	1.65
910821	X3-066 C	.65
910841	X3-070	.57
910851	X3-071 C	.03
910881	X3-077 C	.03
912101	X4-015 C	.32
912121	X4-017 C	2.2
912141	X4-020	481.28
912151	X4-021	192.51
912171	X4-027-CT1	2.66
912172	X4-027-CT2	2.66
912173	X4-027-CT3	2.66
912191	X4-032 C	.67
913041	Y1-008 C	1.88
913171	Y1-025 C OP1	89.89
913181	Y1-026	17.67
913361	Y1-057 C	.02
913401	Y1-065 C	326.92
913511	Y1-077	15.3
913531	Y1-079 C OP1	1.09
913541	Y1-080 C	.37
914271	Y2-078	3.06
914281	Y2-079	30.57

Table 24

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.72
228001	CEDR#2CT	2.75

Bus Number	Bus Name	Full Contribution
217078	ESSEX 12	-11.82
206679	M&M S721	-.56
227807	MO AV B	1.31
94130	O66_NONFIRM	22.68
206638	PEAPACK	-.28
290092	Q-041 E	-1.9
295952	R-011	229.34
292512	T-146 C	3.86
292513	T-146 E	15.43
292815	U1-056 C	2.82
292816	U1-056 E	18.88
292966	U2-045 C	.17
292967	U2-045 E	1.14
292063	V1-021 E	.02
292078	V1-034	.19
297005	V2-003 C	.08
297006	V2-003 E	.14
297039	V2-013 E	.08
900462	V4-067 E	.11
901082	W1-024 E	.49
901102	W1-032 E	.37
901422	W1-113 E	.88
901482	W1-119 E	1.51
901492	W1-120 E	1.68
901522	W1-124 E	3.32
901552	W1-129 E	.41
902211	W2-019 C	.3
902212	W2-019 E	.49
902292	W2-030 E	.4
902452	W2-074 E	.26
902482	W2-078 E	1.1
902552	W2-088 E	1.92
903292	W3-025 E	.29
903311	W3-028 C	5.87
903312	W3-028 E	39.55
903381	W3-033	.5
903422	W3-045 E	.46
903492	W3-057 E	.64
903501	W3-058 C	.19
903502	W3-058 E	.31
903582	W3-078 E	1.29
903592	W3-079 E	1.82
903722	W3-120 E	1.39

Bus Number	Bus Name	Full Contribution
903732	W3-124 E	.09
903902	W3-158 E	.65
903912	W3-159 E	1.02
905091	W4-009 OP1	401.97
905112	W4-011 E	1.94
905181	W4-021	318.04
905211	W4-025 C	.34
905212	W4-025 E	.58
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905332	W4-045 E	.74
905391	W4-063 C	.04
905392	W4-063 E	.28
905432	W4-072 E	2.15
905562	W4-103 E	.22
907082	X1-037 E	2.68
907162	X1-049 E	.44
907222	X1-066 E	.06
907241	X1-068	5.28
907351	X1-085 C	.26
907352	X1-085 E	.43
907381	X1-094 C	-.36
907472	X1-110 E	.1
909212	X2-059 E	.86
910531	X3-004	-2.25
910762	X3-052 E	-.19
910931	X3-085 C	-.18
912042	X4-005 E	33.27
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
912102	X4-015 E	.41
912182	X4-031 E	.52
913171	Y1-025 C OP1	401.97
913172	Y1-025 E OP1	33.27
913511	Y1-077	4.07
914271	Y2-078	3.61
914281	Y2-079	36.1

Table 25

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	4.15

Bus Number	Bus Name	Full Contribution
219124	BURLNGT9	36.4
219156	CAMD CGN	1.4
219241	CAMDEN1	.05
219242	CAMDEN2	.01
228251	CARLLS#4	1.11
228000	CEDR#1CT	6.51
228001	CEDR#2CT	3.14
228301	D/W 1 ST	19.49
228302	D/W 6 ST	19.99
231904	DC1 NUG	2.9
231905	DC2 NUG	2.9
219230	EAGLE P	.19
219120	EAGLE PT	1.5
231903	GEN4	8.24
219128	GLOUCSTR	.35
232906	IR3	17.48
227807	MO AV B	4.
214194	N WALES4	-.22
219137	NAT PARK	8.49
295841	Q-090 2	4.91
228343	QUINTN#1	.49
291017	S-107 1CT	41.55
291019	S-107 1ST	83.1
291018	S-107 2CT	41.55
213941	SCHYLABC	-.5
213945	SCHYLKL1	-36.13
886231	T-144 C	1.
886232	T-144 E	.98
292512	T-146 C	14.13
292513	T-146 E	56.53
292815	U1-056 C	9.28
292816	U1-056 E	62.11
292966	U2-045 C	.52
292967	U2-045 E	3.48
291995	U4-036 C	.02
291996	U4-036 E	1.11
292063	V1-021 E	.06
292104	V1-030 C6	.
292088	V1-030 CB	.02
292194	V1-030 CE	.86
292099	V1-030 E3	.22
292101	V1-030 E4	.07
292103	V1-030 E5	.21

Bus Number	Bus Name	Full Contribution
292105	V1-030 E6	.32
292107	V1-030 E7	.05
292115	V1-030 EB	1.52
292195	V1-030 EE	1.4
297005	V2-003 C	.31
297006	V2-003 E	.51
297021	V2-009 E1	.1
297023	V2-009 E2	.19
297025	V2-009 E3	.21
297027	V2-009 E4	.16
297039	V2-013 E	.02
297076	V2-028 C	.23
297077	V2-028 E	.37
297082	V2-035 C	.18
297083	V2-035 E	.3
297090	V2-041 E	.52
297104	V2-046 E	3.22
297106	V2-047 E	.28
293378	V3-024 E	.19
904042	V4-005 E	.42
904082	V4-009 E	1.45
900131	V4-022 C	.19
900132	V4-022 E	.31
904221	V4-023 C1	1.65
904223	V4-023 C2	.2
904222	V4-023 E1	2.73
904224	V4-023 E2	.29
904231	V4-024 C1	.95
904233	V4-024 C2	.93
904232	V4-024 E1	1.55
904234	V4-024 E2	1.52
904241	V4-025 C1	1.03
904243	V4-025 C2	.56
904245	V4-025 C3	.14
904247	V4-025 C4	.22
904242	V4-025 E1	1.68
904244	V4-025 E2	.91
904246	V4-025 E3	.23
904248	V4-025 E4	.36
904281	V4-029 C	1.94
904282	V4-029 E	3.17
904361	V4-037 C1	.96
904363	V4-037 C3	.97

Bus Number	Bus Name	Full Contribution
904362	V4-037 E2	1.57
904364	V4-037 E4	1.59
904401	V4-041 C	1.92
904402	V4-041 E	3.13
904411	V4-042 C1	.94
904413	V4-042 C2	1.01
904412	V4-042 E1	1.54
904414	V4-042 E2	1.65
904532	V4-054 E	2.87
904611	V4-062 C	.27
904612	V4-062 E	.44
904631	V4-064 C	.76
904632	V4-064 E	1.24
900462	V4-067 E	.32
228700	VNLD 10	5.11
901001	W1-003 C	.76
901002	W1-003 E	1.24
901011	W1-004 C	.76
901012	W1-004 E	1.24
901021	W1-005 C	.76
901022	W1-005 E	1.24
901031	W1-006 C	.76
901032	W1-006 E	1.24
901041	W1-008 C	.76
901042	W1-008 E	1.24
901051	W1-021 C	1.76
901052	W1-021 E	2.87
901061	W1-022 C	1.76
901062	W1-022 E	2.87
901071	W1-023 C	1.76
901072	W1-023 E	2.87
901082	W1-024 E	.15
901102	W1-032 E	.11
901141	W1-048 C	.47
901142	W1-048 E	.76
901191	W1-068 C	1.85
901192	W1-068 E	3.02
901201	W1-070 C	.76
901202	W1-070 E	1.24
901271	W1-083 C	.02
901272	W1-083 E	1.17
901281	W1-085 C	1.67
901282	W1-085 E	2.73

Bus Number	Bus Name	Full Contribution
901291	W1-086 C	1.67
901292	W1-086 E	2.73
901301	W1-087 C	1.67
901302	W1-087 E	2.73
901311	W1-088 C	1.67
901312	W1-088 E	2.73
901321	W1-089 C	1.53
901322	W1-089 E	2.52
901331	W1-090 C OPI	1.62
901332	W1-090 E OPI	2.66
901422	W1-113 E	.29
901461	W1-117 C	1.71
901462	W1-117 E	2.79
901471	W1-118 C	1.71
901472	W1-118 E	2.79
901482	W1-119 E	1.51
901492	W1-120 E	1.68
901502	W1-121 E	.51
901522	W1-124 E	.66
901552	W1-129 E	.43
901561	W1-130 C	.88
901562	W1-130 E	1.43
902211	W2-019 C	.32
902212	W2-019 E	.52
902262	W2-026 E	.41
902292	W2-030 E	1.24
902301	W2-035 C	1.44
902302	W2-035 E	2.4
902321	W2-039	13.87
902341	W2-047 C	.99
902342	W2-047 E	1.62
902392	W2-056 E	1.6
902412	W2-060 E	2.45
902432	W2-071 E	.45
902452	W2-074 E	.07
902482	W2-078 E	.33
902552	W2-088 E	.66
902562	W2-090 E	2.91
902621	W2-101 C	1.86
902622	W2-101 E	3.04
902632	W2-102 E	1.02
903251	W3-009 C	.89
903252	W3-009 E	1.45

Bus Number	Bus Name	Full Contribution
903292	W3-025 E	.27
903302	W3-026 E	.61
903311	W3-028 C	6.18
903312	W3-028 E	41.61
903341	W3-032A 1	15.52
903351	W3-032A 2	15.52
903381	W3-033	1.49
903402	W3-041 E	1.23
903422	W3-045 E	.13
903471	W3-048	6.61
903481	W3-054AC	1.23
903482	W3-054AE	8.26
903492	W3-057 E	2.86
903501	W3-058 C	.78
903502	W3-058 E	1.27
903582	W3-078 E	.47
903592	W3-079 E	.72
903602	W3-080 E	2.45
903652	W3-101 E	.44
903722	W3-120 E	1.39
903732	W3-124 E	.41
903891	W3-157 C	.16
903892	W3-157 E	.25
903902	W3-158 E	.65
903912	W3-159 E	.76
903921	W3-160 C	.38
903922	W3-160 E	.62
903951	W3-174	49.26
903961	W3-175	94.45
905112	W4-011 E	.77
905131	W4-015 C	43.47
905141	W4-016	108.67
905161	W4-018 C	.94
905162	W4-018 E	1.54
905181	W4-021	37.38
905211	W4-025 C	.36
905212	W4-025 E	.62
905221	W4-027 C	.69
905222	W4-027 E	1.13
905232	W4-029 E	.44
905301	W4-040 C	.98
905302	W4-040 E	1.6
905331	W4-045 C	.45

Bus Number	Bus Name	Full Contribution
905332	W4-045 E	.74
905391	W4-063 C	.13
905392	W4-063 E	.87
905432	W4-072 E	.59
905482	W4-085 E	.43
905512	W4-089 E	.44
905522	W4-090 E	.44
905562	W4-103 E	1.
907031	X1-021 C	.02
907032	X1-021 E	1.15
907052	X1-032 E	.4
907082	X1-037 E	.74
907101	X1-039	.21
907132	X1-043 E	.48
907162	X1-049 E	.12
907202	X1-054 E	1.23
907222	X1-066 E	.21
907252	X1-070 E	.61
907261	X1-071 C	.
907262	X1-071 E	.27
907291	X1-074	29.39
907351	X1-085 C	.18
907352	X1-085 E	.29
907401	X1-096 C	1.95
907402	X1-096 E	13.04
907472	X1-110 E	.41
909032	X2-013 E	.69
909091	X2-027 C OPI	.19
909092	X2-027 E OPI	.3
909101	X2-028 C OPI	.28
909102	X2-028 E OPI	.46
909122	X2-033 E	.13
909212	X2-059 E	.59
909231	X2-066	30.87
909241	X2-067	31.05
909312	X2-088 E	.09
910562	X3-007 E	.27
910571	X3-008 C	.76
910572	X3-008 E	1.23
910591	X3-015 C	.74
910592	X3-015 E	1.2
910671	X3-040 C	.39
910672	X3-040 E	2.61

Bus Number	Bus Name	Full Contribution
910681	X3-041 C	.57
910682	X3-041 E	.92
910692	X3-043 E	1.75
910821	X3-066 C	.22
910822	X3-066 E	.36
910841	X3-070	.2
910852	X3-071 E	.62
910862	X3-075 E	1.21
910882	X3-077 E	.62
910902	X3-081 E	-.1
912032	X4-004 E	2.02
912101	X4-015 C	.27
912102	X4-015 E	.43
912121	X4-017 C	.76
912122	X4-017 E	1.24
912171	X4-027-CT1	2.05
912172	X4-027-CT2	2.05
912173	X4-027-CT3	2.05
912182	X4-031 E	.14
912232	X4-040 E	.2
912271	X4-045 E	.11
913041	Y1-008 C	.65
913042	Y1-008 E	4.35
913362	Y1-057 E	.3
913502	Y1-075 E	.4
913511	Y1-077	14.91
913531	Y1-079 C OP1	.37
913532	Y1-079 E OP1	.6
913541	Y1-080 C	.13
913542	Y1-080 E	.21
914271	Y2-078	1.8
914281	Y2-079	18.01

Table 26

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	4.15
219124	BURLNGT9	36.4
219156	CAMD CGN	1.4
219241	CAMDEN1	.05
219242	CAMDEN2	.01
228251	CARLLS#4	1.11

Bus Number	Bus Name	Full Contribution
228000	CEDR#1CT	6.51
228001	CEDR#2CT	3.14
228301	D/W 1 ST	19.49
228302	D/W 6 ST	19.99
231904	DC1 NUG	2.9
231905	DC2 NUG	2.9
219230	EAGLE P	.19
219120	EAGLE PT	1.5
231903	GEN4	8.24
219128	GLOUCSTR	.35
232906	IR3	17.48
227807	MO AV B	4.
214194	N WALES4	-.22
219137	NAT PARK	8.49
295841	Q-090 2	4.91
228343	QUINTN#1	.49
291017	S-107 1CT	41.55
291019	S-107 1ST	83.1
291018	S-107 2CT	41.55
213941	SCHYLABC	-.5
213945	SCHYLKLI	-36.13
886231	T-144 C	1.
886232	T-144 E	.98
292512	T-146 C	14.13
292513	T-146 E	56.53
292815	U1-056 C	9.28
292816	U1-056 E	62.11
292966	U2-045 C	.52
292967	U2-045 E	3.48
291995	U4-036 C	.02
291996	U4-036 E	1.11
292063	V1-021 E	.06
292104	V1-030 C6	.
292088	V1-030 CB	.02
292194	V1-030 CE	.86
292099	V1-030 E3	.22
292101	V1-030 E4	.07
292103	V1-030 E5	.21
292105	V1-030 E6	.32
292107	V1-030 E7	.05
292115	V1-030 EB	1.52
292195	V1-030 EE	1.4
297005	V2-003 C	.31

Bus Number	Bus Name	Full Contribution
297006	V2-003 E	.51
297021	V2-009 E1	.1
297023	V2-009 E2	.19
297025	V2-009 E3	.21
297027	V2-009 E4	.16
297039	V2-013 E	.02
297076	V2-028 C	.23
297077	V2-028 E	.37
297082	V2-035 C	.18
297083	V2-035 E	.3
297090	V2-041 E	.52
297104	V2-046 E	3.22
297106	V2-047 E	.28
293378	V3-024 E	.19
904042	V4-005 E	.42
904082	V4-009 E	1.45
900131	V4-022 C	.19
900132	V4-022 E	.31
904221	V4-023 C1	1.65
904223	V4-023 C2	.2
904222	V4-023 E1	2.73
904224	V4-023 E2	.29
904231	V4-024 C1	.95
904233	V4-024 C2	.93
904232	V4-024 E1	1.55
904234	V4-024 E2	1.52
904241	V4-025 C1	1.03
904243	V4-025 C2	.56
904245	V4-025 C3	.14
904247	V4-025 C4	.22
904242	V4-025 E1	1.68
904244	V4-025 E2	.91
904246	V4-025 E3	.23
904248	V4-025 E4	.36
904281	V4-029 C	1.94
904282	V4-029 E	3.17
904361	V4-037 C1	.96
904363	V4-037 C3	.97
904362	V4-037 E2	1.57
904364	V4-037 E4	1.59
904401	V4-041 C	1.92
904402	V4-041 E	3.13
904411	V4-042 C1	.94

Bus Number	Bus Name	Full Contribution
904413	V4-042 C2	1.01
904412	V4-042 E1	1.54
904414	V4-042 E2	1.65
904532	V4-054 E	2.87
904611	V4-062 C	.27
904612	V4-062 E	.44
904631	V4-064 C	.76
904632	V4-064 E	1.24
900462	V4-067 E	.32
228700	VNLD 10	5.11
901001	W1-003 C	.76
901002	W1-003 E	1.24
901011	W1-004 C	.76
901012	W1-004 E	1.24
901021	W1-005 C	.76
901022	W1-005 E	1.24
901031	W1-006 C	.76
901032	W1-006 E	1.24
901041	W1-008 C	.76
901042	W1-008 E	1.24
901051	W1-021 C	1.76
901052	W1-021 E	2.87
901061	W1-022 C	1.76
901062	W1-022 E	2.87
901071	W1-023 C	1.76
901072	W1-023 E	2.87
901082	W1-024 E	.15
901102	W1-032 E	.11
901141	W1-048 C	.47
901142	W1-048 E	.76
901191	W1-068 C	1.85
901192	W1-068 E	3.02
901201	W1-070 C	.76
901202	W1-070 E	1.24
901271	W1-083 C	.02
901272	W1-083 E	1.17
901281	W1-085 C	1.67
901282	W1-085 E	2.73
901291	W1-086 C	1.67
901292	W1-086 E	2.73
901301	W1-087 C	1.67
901302	W1-087 E	2.73
901311	W1-088 C	1.67

Bus Number	Bus Name	Full Contribution
901312	W1-088 E	2.73
901321	W1-089 C	1.53
901322	W1-089 E	2.52
901331	W1-090 C OPI	1.62
901332	W1-090 E OPI	2.66
901422	W1-113 E	.29
901461	W1-117 C	1.71
901462	W1-117 E	2.79
901471	W1-118 C	1.71
901472	W1-118 E	2.79
901482	W1-119 E	1.51
901492	W1-120 E	1.68
901502	W1-121 E	.51
901522	W1-124 E	.66
901552	W1-129 E	.43
901561	W1-130 C	.88
901562	W1-130 E	1.43
902211	W2-019 C	.32
902212	W2-019 E	.52
902262	W2-026 E	.41
902292	W2-030 E	1.24
902301	W2-035 C	1.44
902302	W2-035 E	2.4
902321	W2-039	13.87
902341	W2-047 C	.99
902342	W2-047 E	1.62
902392	W2-056 E	1.6
902412	W2-060 E	2.45
902432	W2-071 E	.45
902452	W2-074 E	.07
902482	W2-078 E	.33
902552	W2-088 E	.66
902562	W2-090 E	2.91
902621	W2-101 C	1.86
902622	W2-101 E	3.04
902632	W2-102 E	1.02
903251	W3-009 C	.89
903252	W3-009 E	1.45
903292	W3-025 E	.27
903302	W3-026 E	.61
903311	W3-028 C	6.18
903312	W3-028 E	41.61
903341	W3-032A 1	15.52

Bus Number	Bus Name	Full Contribution
903351	W3-032A 2	15.52
903381	W3-033	1.49
903402	W3-041 E	1.23
903422	W3-045 E	.13
903471	W3-048	6.61
903481	W3-054AC	1.23
903482	W3-054AE	8.26
903492	W3-057 E	2.86
903501	W3-058 C	.78
903502	W3-058 E	1.27
903582	W3-078 E	.47
903592	W3-079 E	.72
903602	W3-080 E	2.45
903652	W3-101 E	.44
903722	W3-120 E	1.39
903732	W3-124 E	.41
903891	W3-157 C	.16
903892	W3-157 E	.25
903902	W3-158 E	.65
903912	W3-159 E	.76
903921	W3-160 C	.38
903922	W3-160 E	.62
903951	W3-174	49.26
903961	W3-175	94.45
905112	W4-011 E	.77
905131	W4-015 C	43.47
905141	W4-016	108.67
905161	W4-018 C	.94
905162	W4-018 E	1.54
905181	W4-021	37.38
905211	W4-025 C	.36
905212	W4-025 E	.62
905221	W4-027 C	.69
905222	W4-027 E	1.13
905232	W4-029 E	.44
905301	W4-040 C	.98
905302	W4-040 E	1.6
905331	W4-045 C	.45
905332	W4-045 E	.74
905391	W4-063 C	.13
905392	W4-063 E	.87
905432	W4-072 E	.59
905482	W4-085 E	.43

Bus Number	Bus Name	Full Contribution
905512	W4-089 E	.44
905522	W4-090 E	.44
905562	W4-103 E	1.
907031	X1-021 C	.02
907032	X1-021 E	1.15
907052	X1-032 E	.4
907082	X1-037 E	.74
907101	X1-039	.21
907132	X1-043 E	.48
907162	X1-049 E	.12
907202	X1-054 E	1.23
907222	X1-066 E	.21
907252	X1-070 E	.61
907261	X1-071 C	.
907262	X1-071 E	.27
907291	X1-074	29.39
907351	X1-085 C	.18
907352	X1-085 E	.29
907401	X1-096 C	1.95
907402	X1-096 E	13.04
907472	X1-110 E	.41
909032	X2-013 E	.69
909091	X2-027 C OP1	.19
909092	X2-027 E OP1	.3
909101	X2-028 C OP1	.28
909102	X2-028 E OP1	.46
909122	X2-033 E	.13
909212	X2-059 E	.59
909231	X2-066	30.87
909241	X2-067	31.05
909312	X2-088 E	.09
910562	X3-007 E	.27
910571	X3-008 C	.76
910572	X3-008 E	1.23
910591	X3-015 C	.74
910592	X3-015 E	1.2
910671	X3-040 C	.39
910672	X3-040 E	2.61
910681	X3-041 C	.57
910682	X3-041 E	.92
910692	X3-043 E	1.75
910821	X3-066 C	.22
910822	X3-066 E	.36

Bus Number	Bus Name	Full Contribution
910841	X3-070	.2
910852	X3-071 E	.62
910862	X3-075 E	1.21
910882	X3-077 E	.62
910902	X3-081 E	-.1
912032	X4-004 E	2.02
912101	X4-015 C	.27
912102	X4-015 E	.43
912121	X4-017 C	.76
912122	X4-017 E	1.24
912171	X4-027-CT1	2.05
912172	X4-027-CT2	2.05
912173	X4-027-CT3	2.05
912182	X4-031 E	.14
912232	X4-040 E	.2
912271	X4-045 E	.11
913041	Y1-008 C	.65
913042	Y1-008 E	4.35
913362	Y1-057 E	.3
913502	Y1-075 E	.4
913511	Y1-077	14.91
913531	Y1-079 C OP1	.37
913532	Y1-079 E OP1	.6
913541	Y1-080 C	.13
913542	Y1-080 E	.21
914271	Y2-078	1.8
914281	Y2-079	18.01

Table 27

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.41
228000	CEDR#1CT	5.6
228001	CEDR#2CT	2.7
217078	ESSEX 12	-12.38
227807	MO AV B	1.29
94130	O66_NONFIRM	23.75
295952	R-011	221.56
206350	RRCT1&2	1.39
206351	RRCT3&4	1.44
292512	T-146 C	3.83
292815	U1-056 C	2.79

Bus Number	Bus Name	Full Contribution
292966	U2-045 C	.17
292078	V1-034	.2
297005	V2-003 C	.08
902211	W2-019 C	.3
903311	W3-028 C	5.75
903381	W3-033	.49
903501	W3-058 C	.19
905091	W4-009 OP1	388.2
905181	W4-021	307.62
905211	W4-025 C	.33
905291	W4-038 OP1	-1.61
905331	W4-045 C	.44
905391	W4-063 C	.04
907241	X1-068	5.1
907351	X1-085 C	.26
907381	X1-094 C	-.38
910531	X3-004	-2.35
910931	X3-085 C	-.19
912091	X4-012 C OP1	-.14
912101	X4-015 C	.24
913171	Y1-025 C OP1	388.2
913511	Y1-077	4.04
914271	Y2-078	3.52
914281	Y2-079	35.23

Table 28

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	6.14
219124	BURLNGT9	53.76
219156	CAMD CGN	1.28
219241	CAMDEN1	.04
219242	CAMDEN2	.
228251	CARLLS#4	1.06
228000	CEDR#1CT	6.63
228001	CEDR#2CT	3.19
228301	D/W 1 ST	18.57
228302	D/W 6 ST	19.05
231904	DC1 NUG	2.72
231905	DC2 NUG	2.72
219230	EAGLE P	.17
219120	EAGLE PT	1.38

Bus Number	Bus Name	Full Contribution
231903	GEN4	7.74
219128	GLOUCSTR	.32
232906	IR3	16.46
219134	MERCER 3	22.95
227807	MO AV B	3.91
214194	N WALES4	-.22
219137	NAT PARK	7.76
295841	Q-090 2	4.56
228343	QUINTN#1	.47
213918	RICHMD91	.55
213919	RICHMD92	.55
291017	S-107 1CT	38.56
291019	S-107 1ST	77.13
291018	S-107 2CT	38.56
213941	SCHYLABC	-.53
213945	SCHYLKL1	-37.8
886231	T-144 C	.94
886232	T-144 E	.92
292512	T-146 C	13.74
292513	T-146 E	54.96
885600	T20SOLAR E	.44
292815	U1-056 C	9.06
292816	U1-056 E	60.62
292966	U2-045 C	.51
292967	U2-045 E	3.4
293062	U2-076	1.98
291995	U4-036 C	.01
291996	U4-036 E	1.02
292063	V1-021 E	.06
292104	V1-030 C6	.
292088	V1-030 CB	.02
292194	V1-030 CE	.79
292185	V1-030 E2	.2
292099	V1-030 E3	.24
292101	V1-030 E4	.09
292103	V1-030 E5	.3
292105	V1-030 E6	.3
292107	V1-030 E7	.07
292115	V1-030 EB	1.39
292195	V1-030 EE	1.28
297005	V2-003 C	.3
297006	V2-003 E	.49
297021	V2-009 E1	.14

Bus Number	Bus Name	Full Contribution
297023	V2-009 E2	.27
297025	V2-009 E3	.29
297027	V2-009 E4	.23
297039	V2-013 E	.02
297076	V2-028 C	.21
297077	V2-028 E	.35
297082	V2-035 C	.18
297083	V2-035 E	.29
297090	V2-041 E	.5
297104	V2-046 E	3.07
297106	V2-047 E	.27
293378	V3-024 E	.28
292666	V3-058 E	.1
292668	V3-059 E	.1
904042	V4-005 E	.47
904082	V4-009 E	1.39
900131	V4-022 C	.18
900132	V4-022 E	.29
904221	V4-023 C1	1.58
904223	V4-023 C2	.19
904222	V4-023 E1	2.61
904224	V4-023 E2	.28
904231	V4-024 C1	.9
904233	V4-024 C2	.89
904232	V4-024 E1	1.48
904234	V4-024 E2	1.45
904241	V4-025 C1	.97
904243	V4-025 C2	.54
904245	V4-025 C3	.13
904247	V4-025 C4	.21
904242	V4-025 E1	1.59
904244	V4-025 E2	.86
904246	V4-025 E3	.22
904248	V4-025 E4	.34
904281	V4-029 C	1.84
904282	V4-029 E	3.01
904361	V4-037 C1	.92
904363	V4-037 C3	.92
904362	V4-037 E2	1.49
904364	V4-037 E4	1.5
904401	V4-041 C	1.85
904402	V4-041 E	3.02
904411	V4-042 C1	.91

Bus Number	Bus Name	Full Contribution
904413	V4-042 C2	.97
904412	V4-042 E1	1.48
904414	V4-042 E2	1.57
904532	V4-054 E	2.75
904611	V4-062 C	.26
904612	V4-062 E	.42
904631	V4-064 C	.72
904632	V4-064 E	1.17
900462	V4-067 E	.31
228700	VNLD 10	4.92
901001	W1-003 C	.72
901002	W1-003 E	1.17
901011	W1-004 C	.72
901012	W1-004 E	1.17
901021	W1-005 C	.72
901022	W1-005 E	1.17
901031	W1-006 C	.72
901032	W1-006 E	1.17
901041	W1-008 C	.72
901042	W1-008 E	1.17
901051	W1-021 C	1.68
901052	W1-021 E	2.75
901061	W1-022 C	1.68
901062	W1-022 E	2.75
901071	W1-023 C	1.68
901072	W1-023 E	2.75
901082	W1-024 E	.17
901102	W1-032 E	.13
901141	W1-048 C	.44
901142	W1-048 E	.72
901191	W1-068 C	1.76
901192	W1-068 E	2.88
901201	W1-070 C	.71
901202	W1-070 E	1.17
901271	W1-083 C	.01
901272	W1-083 E	1.07
901281	W1-085 C	1.61
901282	W1-085 E	2.63
901291	W1-086 C	1.61
901292	W1-086 E	2.63
901301	W1-087 C	1.61
901302	W1-087 E	2.63
901311	W1-088 C	1.61

Bus Number	Bus Name	Full Contribution
901312	W1-088 E	2.63
901321	W1-089 C	1.47
901322	W1-089 E	2.42
901331	W1-090 C OPI	1.6
901332	W1-090 E OPI	2.63
901422	W1-113 E	.33
901461	W1-117 C	1.64
901462	W1-117 E	2.68
901471	W1-118 C	1.64
901472	W1-118 E	2.68
901482	W1-119 E	1.65
901492	W1-120 E	1.83
901502	W1-121 E	.74
901522	W1-124 E	.74
901552	W1-129 E	.47
901561	W1-130 C	.85
901562	W1-130 E	1.38
902181	W2-014	.02
902211	W2-019 C	.35
902212	W2-019 E	.57
902262	W2-026 E	.4
902292	W2-030 E	1.21
902301	W2-035 C	1.37
902302	W2-035 E	2.29
902321	W2-039	13.34
902341	W2-047 C	.94
902342	W2-047 E	1.53
902392	W2-056 E	1.79
902412	W2-060 E	3.62
902432	W2-071 E	.48
902452	W2-074 E	.08
902482	W2-078 E	.37
902552	W2-088 E	.73
902562	W2-090 E	3.26
902621	W2-101 C	1.77
902622	W2-101 E	2.89
902632	W2-102 E	1.14
903251	W3-009 C	.85
903252	W3-009 E	1.39
903292	W3-025 E	.3
903302	W3-026 E	.91
903311	W3-028 C	6.33
903312	W3-028 E	42.6

Bus Number	Bus Name	Full Contribution
903341	W3-032A 1	14.65
903351	W3-032A 2	14.65
903381	W3-033	1.46
903402	W3-041 E	1.81
903422	W3-045 E	.14
903471	W3-048	6.42
903481	W3-054AC	1.16
903482	W3-054AE	7.78
903492	W3-057 E	3.12
903501	W3-058 C	.75
903502	W3-058 E	1.23
903582	W3-078 E	.54
903592	W3-079 E	.79
903602	W3-080 E	3.62
903652	W3-101 E	.43
903722	W3-120 E	1.52
903732	W3-124 E	.45
903891	W3-157 C	.15
903892	W3-157 E	.24
903902	W3-158 E	.71
903912	W3-159 E	.84
903921	W3-160 C	.36
903922	W3-160 E	.58
903951	W3-174	46.37
903961	W3-175	88.9
905112	W4-011 E	.85
905131	W4-015 C	40.34
905141	W4-016	100.86
905161	W4-018 C	.91
905162	W4-018 E	1.48
905181	W4-021	42.29
905211	W4-025 C	.4
905212	W4-025 E	.67
905221	W4-027 C	.67
905222	W4-027 E	1.09
905232	W4-029 E	.48
905301	W4-040 C	.94
905302	W4-040 E	1.53
905331	W4-045 C	.49
905332	W4-045 E	.81
905391	W4-063 C	.13
905392	W4-063 E	.85
905432	W4-072 E	.66

Bus Number	Bus Name	Full Contribution
905482	W4-085 E	.46
905512	W4-089 E	.42
905522	W4-090 E	.43
905562	W4-103 E	1.09
907031	X1-021 C	.02
907032	X1-021 E	1.06
907052	X1-032 E	.38
907082	X1-037 E	.82
907101	X1-039	.19
907132	X1-043 E	.52
907162	X1-049 E	.13
907202	X1-054 E	1.81
907222	X1-066 E	.2
907251	X1-070 C	.01
907252	X1-070 E	.75
907261	X1-071 C	.
907262	X1-071 E	.28
907291	X1-074	27.8
907351	X1-085 C	.2
907352	X1-085 E	.33
907401	X1-096 C	1.83
907402	X1-096 E	12.28
907472	X1-110 E	.4
909032	X2-013 E	.64
909091	X2-027 C OPI	.18
909092	X2-027 E OPI	.29
909101	X2-028 C OPI	.27
909102	X2-028 E OPI	.43
909122	X2-033 E	.19
909212	X2-059 E	.65
909231	X2-066	29.08
909241	X2-067	29.3
909312	X2-088 E	.13
910562	X3-007 E	.39
910571	X3-008 C	.71
910572	X3-008 E	1.16
910591	X3-015 C	.69
910592	X3-015 E	1.13
910671	X3-040 C	.37
910672	X3-040 E	2.46
910681	X3-041 C	.54
910682	X3-041 E	.87
910692	X3-043 E	1.96

Bus Number	Bus Name	Full Contribution
910821	X3-066 C	.21
910822	X3-066 E	.33
910841	X3-070	.19
910852	X3-071 E	.58
910862	X3-075 E	1.11
910882	X3-077 E	.58
910902	X3-081 E	-.11
912032	X4-004 E	1.85
912101	X4-015 C	.29
912102	X4-015 E	.47
912121	X4-017 C	.71
912122	X4-017 E	1.17
912171	X4-027-CT1	1.91
912172	X4-027-CT2	1.91
912173	X4-027-CT3	1.91
912182	X4-031 E	.16
912232	X4-040 E	.19
912271	X4-045 E	.11
913041	Y1-008 C	.61
913042	Y1-008 E	4.09
913362	Y1-057 E	.32
913502	Y1-075 E	.44
913511	Y1-077	14.49
913531	Y1-079 C OPI	.35
913532	Y1-079 E OPI	.57
913541	Y1-080 C	.12
913542	Y1-080 E	.2
914271	Y2-078	1.95
914281	Y2-079	19.53

Table 29

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	6.14
219124	BURLNGT9	53.76
219156	CAMD CGN	1.28
219241	CAMDEN1	.04
219242	CAMDEN2	.
228251	CARLLS#4	1.06
228000	CEDR#1CT	6.63
228001	CEDR#2CT	3.19
228301	D/W 1 ST	18.57

Bus Number	Bus Name	Full Contribution
228302	D/W 6 ST	19.05
231904	DC1 NUG	2.72
231905	DC2 NUG	2.72
219230	EAGLE P	.17
219120	EAGLE PT	1.38
231903	GEN4	7.74
219128	GLOUCSTR	.32
232906	IR3	16.46
219134	MERCER 3	22.95
227807	MO AV B	3.91
214194	N WALES4	-.22
219137	NAT PARK	7.76
295841	Q-090 2	4.56
228343	QUINTN#1	.47
213918	RICHMD91	.55
213919	RICHMD92	.55
291017	S-107 1CT	38.56
291019	S-107 1ST	77.13
291018	S-107 2CT	38.56
213941	SCHYLABC	-.53
213945	SCHYLKLI	-37.8
886231	T-144 C	.94
886232	T-144 E	.92
292512	T-146 C	13.74
292513	T-146 E	54.96
885600	T20SOLAR E	.44
292815	U1-056 C	9.06
292816	U1-056 E	60.62
292966	U2-045 C	.51
292967	U2-045 E	3.4
293062	U2-076	1.98
291995	U4-036 C	.01
291996	U4-036 E	1.02
292063	V1-021 E	.06
292104	V1-030 C6	.
292088	V1-030 CB	.02
292194	V1-030 CE	.79
292185	V1-030 E2	.2
292099	V1-030 E3	.24
292101	V1-030 E4	.09
292103	V1-030 E5	.3
292105	V1-030 E6	.3
292107	V1-030 E7	.07

Bus Number	Bus Name	Full Contribution
292115	V1-030 EB	1.39
292195	V1-030 EE	1.28
297005	V2-003 C	.3
297006	V2-003 E	.49
297021	V2-009 E1	.14
297023	V2-009 E2	.27
297025	V2-009 E3	.29
297027	V2-009 E4	.23
297039	V2-013 E	.02
297076	V2-028 C	.21
297077	V2-028 E	.35
297082	V2-035 C	.18
297083	V2-035 E	.29
297090	V2-041 E	.5
297104	V2-046 E	3.07
297106	V2-047 E	.27
293378	V3-024 E	.28
292666	V3-058 E	.1
292668	V3-059 E	.1
904042	V4-005 E	.47
904082	V4-009 E	1.39
900131	V4-022 C	.18
900132	V4-022 E	.29
904221	V4-023 C1	1.58
904223	V4-023 C2	.19
904224	V4-023 E1	2.61
904224	V4-023 E2	.28
904231	V4-024 C1	.9
904233	V4-024 C2	.89
904232	V4-024 E1	1.48
904234	V4-024 E2	1.45
904241	V4-025 C1	.97
904243	V4-025 C2	.54
904245	V4-025 C3	.13
904247	V4-025 C4	.21
904242	V4-025 E1	1.59
904244	V4-025 E2	.86
904246	V4-025 E3	.22
904248	V4-025 E4	.34
904281	V4-029 C	1.84
904282	V4-029 E	3.01
904361	V4-037 C1	.92
904363	V4-037 C3	.92

Bus Number	Bus Name	Full Contribution
904362	V4-037 E2	1.49
904364	V4-037 E4	1.5
904401	V4-041 C	1.85
904402	V4-041 E	3.02
904411	V4-042 C1	.91
904413	V4-042 C2	.97
904412	V4-042 E1	1.48
904414	V4-042 E2	1.57
904532	V4-054 E	2.75
904611	V4-062 C	.26
904612	V4-062 E	.42
904631	V4-064 C	.72
904632	V4-064 E	1.17
900462	V4-067 E	.31
228700	VNLD 10	4.92
901001	W1-003 C	.72
901002	W1-003 E	1.17
901011	W1-004 C	.72
901012	W1-004 E	1.17
901021	W1-005 C	.72
901022	W1-005 E	1.17
901031	W1-006 C	.72
901032	W1-006 E	1.17
901041	W1-008 C	.72
901042	W1-008 E	1.17
901051	W1-021 C	1.68
901052	W1-021 E	2.75
901061	W1-022 C	1.68
901062	W1-022 E	2.75
901071	W1-023 C	1.68
901072	W1-023 E	2.75
901082	W1-024 E	.17
901102	W1-032 E	.13
901141	W1-048 C	.44
901142	W1-048 E	.72
901191	W1-068 C	1.76
901192	W1-068 E	2.88
901201	W1-070 C	.71
901202	W1-070 E	1.17
901271	W1-083 C	.01
901272	W1-083 E	1.07
901281	W1-085 C	1.61
901282	W1-085 E	2.63

Bus Number	Bus Name	Full Contribution
901291	W1-086 C	1.61
901292	W1-086 E	2.63
901301	W1-087 C	1.61
901302	W1-087 E	2.63
901311	W1-088 C	1.61
901312	W1-088 E	2.63
901321	W1-089 C	1.47
901322	W1-089 E	2.42
901331	W1-090 C OPI	1.6
901332	W1-090 E OPI	2.63
901422	W1-113 E	.33
901461	W1-117 C	1.64
901462	W1-117 E	2.68
901471	W1-118 C	1.64
901472	W1-118 E	2.68
901482	W1-119 E	1.65
901492	W1-120 E	1.83
901502	W1-121 E	.74
901522	W1-124 E	.74
901552	W1-129 E	.47
901561	W1-130 C	.85
901562	W1-130 E	1.38
902181	W2-014	.02
902211	W2-019 C	.35
902212	W2-019 E	.57
902262	W2-026 E	.4
902292	W2-030 E	1.21
902301	W2-035 C	1.37
902302	W2-035 E	2.29
902321	W2-039	13.34
902341	W2-047 C	.94
902342	W2-047 E	1.53
902392	W2-056 E	1.79
902412	W2-060 E	3.62
902432	W2-071 E	.48
902452	W2-074 E	.08
902482	W2-078 E	.37
902552	W2-088 E	.73
902562	W2-090 E	3.26
902621	W2-101 C	1.77
902622	W2-101 E	2.89
902632	W2-102 E	1.14
903251	W3-009 C	.85

Bus Number	Bus Name	Full Contribution
903252	W3-009 E	1.39
903292	W3-025 E	.3
903302	W3-026 E	.91
903311	W3-028 C	6.33
903312	W3-028 E	42.6
903341	W3-032A 1	14.65
903351	W3-032A 2	14.65
903381	W3-033	1.46
903402	W3-041 E	1.81
903422	W3-045 E	.14
903471	W3-048	6.42
903481	W3-054AC	1.16
903482	W3-054AE	7.78
903492	W3-057 E	3.12
903501	W3-058 C	.75
903502	W3-058 E	1.23
903582	W3-078 E	.54
903592	W3-079 E	.79
903602	W3-080 E	3.62
903652	W3-101 E	.43
903722	W3-120 E	1.52
903732	W3-124 E	.45
903891	W3-157 C	.15
903892	W3-157 E	.24
903902	W3-158 E	.71
903912	W3-159 E	.84
903921	W3-160 C	.36
903922	W3-160 E	.58
903951	W3-174	46.37
903961	W3-175	88.9
905112	W4-011 E	.85
905131	W4-015 C	40.34
905141	W4-016	100.86
905161	W4-018 C	.91
905162	W4-018 E	1.48
905181	W4-021	42.29
905211	W4-025 C	.4
905212	W4-025 E	.67
905221	W4-027 C	.67
905222	W4-027 E	1.09
905232	W4-029 E	.48
905301	W4-040 C	.94
905302	W4-040 E	1.53

Bus Number	Bus Name	Full Contribution
905331	W4-045 C	.49
905332	W4-045 E	.81
905391	W4-063 C	.13
905392	W4-063 E	.85
905432	W4-072 E	.66
905482	W4-085 E	.46
905512	W4-089 E	.42
905522	W4-090 E	.43
905562	W4-103 E	1.09
907031	X1-021 C	.02
907032	X1-021 E	1.06
907052	X1-032 E	.38
907082	X1-037 E	.82
907101	X1-039	.19
907132	X1-043 E	.52
907162	X1-049 E	.13
907202	X1-054 E	1.81
907222	X1-066 E	.2
907251	X1-070 C	.01
907252	X1-070 E	.75
907261	X1-071 C	.
907262	X1-071 E	.28
907291	X1-074	27.8
907351	X1-085 C	.2
907352	X1-085 E	.33
907401	X1-096 C	1.83
907402	X1-096 E	12.28
907472	X1-110 E	.4
909032	X2-013 E	.64
909091	X2-027 C OP1	.18
909092	X2-027 E OP1	.29
909101	X2-028 C OP1	.27
909102	X2-028 E OP1	.43
909122	X2-033 E	.19
909212	X2-059 E	.65
909231	X2-066	29.08
909241	X2-067	29.3
909312	X2-088 E	.13
910562	X3-007 E	.39
910571	X3-008 C	.71
910572	X3-008 E	1.16
910591	X3-015 C	.69
910592	X3-015 E	1.13

Bus Number	Bus Name	Full Contribution
910671	X3-040 C	.37
910672	X3-040 E	2.46
910681	X3-041 C	.54
910682	X3-041 E	.87
910692	X3-043 E	1.96
910821	X3-066 C	.21
910822	X3-066 E	.33
910841	X3-070	.19
910852	X3-071 E	.58
910862	X3-075 E	1.11
910882	X3-077 E	.58
910902	X3-081 E	-.11
912032	X4-004 E	1.85
912101	X4-015 C	.29
912102	X4-015 E	.47
912121	X4-017 C	.71
912122	X4-017 E	1.17
912171	X4-027-CT1	1.91
912172	X4-027-CT2	1.91
912173	X4-027-CT3	1.91
912182	X4-031 E	.16
912232	X4-040 E	.19
912271	X4-045 E	.11
913041	Y1-008 C	.61
913042	Y1-008 E	4.09
913362	Y1-057 E	.32
913502	Y1-075 E	.44
913511	Y1-077	14.49
913531	Y1-079 C OP1	.35
913532	Y1-079 E OP1	.57
913541	Y1-080 C	.12
913542	Y1-080 E	.2
914271	Y2-078	1.95
914281	Y2-079	19.53

Table 30

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.41
228000	CEDR#1CT	5.6
228001	CEDR#2CT	2.7
217078	ESSEX 12	-12.38

Bus Number	Bus Name	Full Contribution
206617	EXXON	-.35
206679	M&M S721	-.59
227807	MO AV B	1.29
94130	O66_NONFIRM	23.75
206638	PEAPACK	-.3
290092	Q-041 E	-2.02
295952	R-011	221.56
292512	T-146 C	3.83
292513	T-146 E	15.32
292815	U1-056 C	2.79
292816	U1-056 E	18.69
292966	U2-045 C	.17
292967	U2-045 E	1.12
292063	V1-021 E	.02
292078	V1-034	.2
297005	V2-003 C	.08
297006	V2-003 E	.14
297039	V2-013 E	.08
900462	V4-067 E	.11
901082	W1-024 E	.48
901102	W1-032 E	.36
901422	W1-113 E	.86
901482	W1-119 E	1.48
901492	W1-120 E	1.65
901522	W1-124 E	3.21
901552	W1-129 E	.4
902211	W2-019 C	.3
902212	W2-019 E	.48
902292	W2-030 E	.4
902452	W2-074 E	.25
902482	W2-078 E	1.07
902552	W2-088 E	1.87
903292	W3-025 E	.28
903311	W3-028 C	5.75
903312	W3-028 E	38.71
903381	W3-033	.49
903422	W3-045 E	.45
903492	W3-057 E	.64
903501	W3-058 C	.19
903502	W3-058 E	.31
903582	W3-078 E	1.27
903592	W3-079 E	1.77
903722	W3-120 E	1.36

Bus Number	Bus Name	Full Contribution
903732	W3-124 E	.09
903902	W3-158 E	.64
903912	W3-159 E	1.
905091	W4-009 OP1	388.2
905112	W4-011 E	1.89
905181	W4-021	307.62
905211	W4-025 C	.33
905212	W4-025 E	.56
905291	W4-038 OP1	-1.61
905331	W4-045 C	.44
905332	W4-045 E	.73
905391	W4-063 C	.04
905392	W4-063 E	.28
905432	W4-072 E	2.09
905562	W4-103 E	.22
907082	X1-037 E	2.61
907162	X1-049 E	.43
907222	X1-066 E	.06
907241	X1-068	5.1
907351	X1-085 C	.26
907352	X1-085 E	.42
907381	X1-094 C	-.38
907472	X1-110 E	.1
909212	X2-059 E	.84
910531	X3-004	-2.35
910762	X3-052 E	-.2
910931	X3-085 C	-1.19
912042	X4-005 E	32.13
912091	X4-012 C OP1	-.14
912101	X4-015 C	.24
912102	X4-015 E	.4
912182	X4-031 E	.51
913171	Y1-025 C OP1	388.2
913172	Y1-025 E OP1	32.13
913511	Y1-077	4.04
914271	Y2-078	3.52
914281	Y2-079	35.23

Table 31

Bus Number	Bus Name	Full Contribution
216908	BAYONNE	3.02

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	1.51
219103	BURLNGT8	1.98
219124	BURLNGT9	17.38
228251	CARLLS#4	.45
228000	CEDR#1CT	3.95
228001	CEDR#2CT	1.9
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.11
213508	CON10-11	.9
213514	CONOW1-2	.58
213515	CONOW3-4	.66
213516	CONOW5-6	.58
213517	CONOW7	.33
213518	CONOW8-9	.9
228301	D/W 1 ST	7.36
228302	D/W 6 ST	7.55
213554	DALEVILLE	.02
231915	DC CT6	.15
231902	DC CT7	.23
231904	DC1 NUG	3.15
231905	DC2 NUG	3.15
232902	EASTMUNI	.18
213575	EDDYST10	.03
213577	EDDYST20	.03
213585	EDDYSTN2	35.19
213587	EDDYSTN3	1.03
213589	EDDYSTN4	1.03
213590	EDY30-40	.09
231917	EM10	.05
231916	EM3	.24
231901	EM4	.48
231900	EM5	1.22
217078	ESSEX 12	13.22
213962	FPL MH50	.14
231903	GEN4	8.94
213632	GFCP	.39
206331	GG A1&2	2.67
206332	GG A3&4	2.67
206333	GG B5&6	2.67
206334	GG B7&8	2.67
231908	HR1	.34
231909	HR2	.35

Bus Number	Bus Name	Full Contribution
231910	HR3	.34
231505	HR4	.51
217081	HUDSON 1	25.79
232906	IR3	18.45
217083	KEARNY11	9.36
213685	KIMCLARK	.09
217086	KRNY9&10	1.51
292590	L-018 E	1.15
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.61
219134	MERCER 3	10.97
227807	MO AV B	1.82
219137	NAT PARK	2.03
232910	NRG_G1	.11
232911	NRG_G2	.11
213888	PHLISCT1	.48
213889	PHLISCT2	.48
213890	PHLISCT3	.48
213893	PHLISST1	.66
204652	PORT1GEN	10.18
204653	PORT2GEN	15.67
228343	QUINTN#1	.19
295952	R-011	33.93
220915	RVRSDEG6	-8.59
291017	S-107 1CT	12.72
291019	S-107 1ST	25.44
291018	S-107 2CT	12.72
213941	SCHYLABC	.25
213943	SCHYLK10	.03
213944	SCHYLK11	.04
213945	SCHYLKL1	18.03
218360	SEWAREN1	7.76
218361	SEWAREN2	8.83
218362	SEWAREN3	8.01
218363	SEWAREN4	9.31
218364	SEWAREN6	8.33
213957	STHWK3-4	.07
213958	STHWK5-6	.07
886231	T-144 C	1.06
292512	T-146 C	6.36
885600	T20SOLAR E	.21
292815	U1-056 C	4.16

Bus Number	Bus Name	Full Contribution
292878	U1-089	.05
889011	U2-015 C	.73
292966	U2-045 C	.24
293062	U2-076	.95
293093	U2-077	46.54
297005	V2-003 C	.14
297076	V2-028 C	.24
297082	V2-035 C	.07
293414	V3-041	.02
900131	V4-022 C	.2
904221	V4-023 C1	.64
904223	V4-023 C2	.08
904231	V4-024 C1	.36
904233	V4-024 C2	.36
904241	V4-025 C1	.36
904243	V4-025 C2	.22
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904281	V4-029 C	.72
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904401	V4-041 C	.72
904411	V4-042 C1	.36
904413	V4-042 C2	.36
900361	V4-045	25.62
LTF	V4-050	6.86
904611	V4-062 C	.11
904631	V4-064 C	.81
232813	VAUGHN	.01
232919	VN10	.04
228700	VNLD 10	2.15
900801	W1-001	1.11
901001	W1-003 C	.81
901011	W1-004 C	.81
901021	W1-005 C	.81
901031	W1-006 C	.81
901041	W1-008 C	.81
901051	W1-021 C	.71
901061	W1-022 C	.71
901071	W1-023 C	.71
901141	W1-048 C	.18
901191	W1-068 C	.72
901201	W1-070 C	.81

Bus Number	Bus Name	Full Contribution
901241	W1-076 C	.28
901281	W1-085 C	.71
901291	W1-086 C	.71
901301	W1-087 C	.71
901311	W1-088 C	.71
901321	W1-089 C	.64
901331	W1-090 C OP1	.64
901391	W1-108	1.42
901461	W1-117 C	.71
901471	W1-118 C	.71
901541	W1-127 C	.07
901561	W1-130 C	.35
902211	W2-019 C	.2
902251	W2-023	46.53
902271	W2-028	.45
902281	W2-029	.42
902301	W2-035 C	.57
902321	W2-039	5.88
902341	W2-047 C	.35
902621	W2-101 C	.72
903251	W3-009 C	.36
903311	W3-028 C	3.87
903341	W3-032A 1	16.06
903351	W3-032A 2	16.06
903381	W3-033	.68
903391	W3-039 C	.19
903471	W3-048	4.62
903481	W3-054AC	1.31
903501	W3-058 C	.35
903891	W3-157 C	.06
903921	W3-160 C	.4
903951	W3-174	18.45
903961	W3-175	35.37
905091	W4-009 OP1	55.61
905131	W4-015 C	13.31
905141	W4-016	33.27
905161	W4-018 C	.36
905181	W4-021	57.75
905211	W4-025 C	.22
905221	W4-027 C	.28
905291	W4-038 OP1	1.72
905301	W4-040 C	.35
905331	W4-045 C	.29

Bus Number	Bus Name	Full Contribution
905391	W4-063 C	.06
231918	WEST 1	.06
907241	X1-068	.77
907281	X1-073 C OP1	.29
907291	X1-074	29.66
907351	X1-085 C	.16
907381	X1-094 C	.43
907401	X1-096 C	2.07
907411	X1-097	.07
907451	X1-108	2.08
909091	X2-027 C OP1	.07
909101	X2-028 C OP1	.11
909171	X2-050	47.41
909231	X2-066	32.65
909241	X2-067	32.12
909281	X2-083	.01
910531	X3-004	2.51
910571	X3-008 C	.81
910591	X3-015 C	.79
910671	X3-040 C	.41
910681	X3-041 C	.6
910821	X3-066 C	.26
910841	X3-070	.22
910931	X3-085 C	.2
912091	X4-012 C OP1	.15
912101	X4-015 C	.16
912111	X4-016	.72
912121	X4-017 C	.81
912141	X4-020	48.58
912151	X4-021	19.43
912171	X4-027-CT1	1.36
912172	X4-027-CT2	1.36
912173	X4-027-CT3	1.36
912191	X4-032 C	.36
912261	X4-044 C	.72
913041	Y1-008 C	.69
913131	Y1-020 C	.25
913141	Y1-022 C	3.1
913171	Y1-025 C OP1	55.61
913181	Y1-026	11.83
913221	Y1-031 C OP1	.95
913361	Y1-057 C	.01
913401	Y1-065 C	66.97

Bus Number	Bus Name	Full Contribution
913481	Y1-072 C	.05
913511	Y1-077	6.71
913531	Y1-079 C OP1	.42
913541	Y1-080 C	.14
913561	Y1-084 C OP1	.05
914271	Y2-078	1.65
914281	Y2-079	16.45

Table 32

Bus Number	Bus Name	Full Contribution
204662	AES GEN1	.63
204663	AES GEN2	.63
204664	AES GEN3	.62
216908	BAYONNE	2.34
217006	BERGN26A	1.17
207922	BRIS	.02
208900	BRIS G1	.96
208901	BRIS G2	1.14
208902	BRIS G3	2.25
204638	CAT TRAC	.08
204670	CAT TRAC	.04
228000	CEDR#1CT	2.38
228001	CEDR#2CT	1.14
217078	ESSEX 12	10.24
209030	FRFA O01	.02
206331	GG A1&2	2.41
206332	GG A3&4	2.41
206333	GG B5&6	2.41
206334	GG B7&8	2.41
204639	GLATFLTR	.08
204646	HAM CT	.04
208942	HARR CT	.14
208985	HMSW IPP	.06
208903	HOLT 695	.29
208904	HOLT 696	.3
208907	HOLT 697	13.88
217081	HUDSON 1	19.98
204647	HUNTR CT	.09
217083	KEARNY11	7.25
217086	KRNY9&10	1.17
292590	L-018 E	1.09

Bus Number	Bus Name	Full Contribution
204640	LARA	.08
209027	LOR2_Q27 E	4.33
204574	MODRN LF	.02
204648	MOUNT CT	.07
204603	N.LEB	.01
204665	ONTELCT1	.44
204666	ONTELCT2	.44
204667	ONTELST1	.31
204649	ORTAN CT	.03
204641	PANTHER	.19
209008	PAXT IPP	.03
204652	PORTIGEN	9.34
204653	PORT2GEN	14.21
295125	Q-020 2	.34
295130	Q-020 3	.01
295133	Q-020 4	.01
290201	Q-044	.
204679	Q-059	.02
295671	Q-073 C	.05
204555	QUEEN ST	.61
295952	R-011	23.91
212384	R-043	.22
212386	R-043	.87
296509	R-057 C	.03
204610	ROLLHILL	.01
220915	RVRSDEG6	-10.56
204655	S.RDG CT	.09
290673	S-042 C	.19
290760	S-064	2.02
208914	SAHA 34	.41
208915	SAHA 567	.67
208917	SAHA1112	.58
208916	SAHA8910	.87
218360	SEWAREN1	5.71
218361	SEWAREN2	6.47
218362	SEWAREN3	5.87
218363	SEWAREN4	6.79
218364	SEWAREN6	6.08
204656	TITUS 1G	9.85
204657	TITUS 2G	9.85
204658	TITUS 3G	9.85
204659	TMI 1GEN	2.09
204650	TOLNA CT	.1

Bus Number	Bus Name	Full Contribution
208848	U1-067	.01
887721	U1-068	.03
889011	U2-015 C	.71
293093	U2-077	34.7
293450	V3-051 C	.
900111	V4-020	61.67
904261	V4-027 C	.
900361	V4-045	17.06
LTF	V4-050	4.75
904511	V4-052 C	.02
904741	V4-075 C	.
209019	VIKI IPP	.87
900801	W1-001	.83
208850	W1-046 C	.6
901151	W1-054	.05
901241	W1-076 C	.21
901361	W1-105 C	.
901371	W1-106 C	.
901541	W1-127 C	.07
902211	W2-019 C	.12
902251	W2-023	34.34
902271	W2-028	.26
902281	W2-029	.27
902461	W2-075	.
902601	W2-094 C	.06
903271	W3-022 C OP1	1.05
903311	W3-028 C	2.34
903391	W3-039 C	.14
905091	W4-009 OP1	39.46
905181	W4-021	39.91
905211	W4-025 C	.14
905291	W4-038 OP1	1.34
905331	W4-045 C	.18
208947	WSHO CT	.07
907091	X1-013 OP1	101.08
907241	X1-068	.54
907281	X1-073 C OP1	.28
907351	X1-085 C	.1
907381	X1-094 C	.37
907451	X1-108	1.96
909021	X2-012 C	40.69
909081	X2-025	21.47
909171	X2-050	36.73

Bus Number	Bus Name	Full Contribution
910531	X3-004	1.95
910551	X3-006 C	10.44
910701	X3-044	1.64
910931	X3-085 C	.17
912071	X4-009 C	.76
912091	X4-012 C OP1	.13
912101	X4-015 C	.1
912111	X4-016	.56
912131	X4-019	11.72
912141	X4-020	44.63
912151	X4-021	17.85
912191	X4-032 C	.21
912261	X4-044 C	.55
912291	X4-048 OP1	47.68
913131	Y1-020 C	.21
913171	Y1-025 C OP1	39.46
913181	Y1-026	8.81
913221	Y1-031 C OP1	.73
913351	Y1-056	2.08
913401	Y1-065 C	42.29
913481	Y1-072 C	.05
913561	Y1-084 C OP1	.04
914271	Y2-078	1.06
914281	Y2-079	10.61
204660	YK H STA	.05
204642	YK SOLID	.08

Table 33

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.72
228001	CEDR#2CT	2.75
217078	ESSEX 12	-11.82
227807	MO AV B	1.31
94130	O66_NONFIRM	22.68
295952	R-011	229.34
206350	RRCT1&2	1.44
206351	RRCT3&4	1.49
292512	T-146 C	3.86
292815	U1-056 C	2.82
292966	U2-045 C	.17

Bus Number	Bus Name	Full Contribution
292078	V1-034	.19
297005	V2-003 C	.08
902211	W2-019 C	.3
903311	W3-028 C	5.87
903381	W3-033	.5
903501	W3-058 C	.19
905091	W4-009 OP1	401.97
905181	W4-021	318.04
905211	W4-025 C	.34
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905391	W4-063 C	.04
907241	X1-068	5.28
907351	X1-085 C	.26
907381	X1-094 C	-.36
910531	X3-004	-2.25
910931	X3-085 C	-.18
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
913171	Y1-025 C OP1	401.97
913511	Y1-077	4.07
914271	Y2-078	3.61
914281	Y2-079	36.1

Table 34

Bus Number	Bus Name	Full Contribution
204662	AES GEN1	.67
204663	AES GEN2	.67
204664	AES GEN3	.66
216908	BAYONNE	2.86
217006	BERGN26A	1.43
207922	BRIS	.03
208900	BRIS G1	1.1
208901	BRIS G2	1.3
208902	BRIS G3	2.58
219103	BURLNGT8	1.38
219124	BURLNGT9	12.08
228251	CARLLS#4	.31
204638	CAT TRAC	.13
204670	CAT TRAC	.06
228000	CEDR#1CT	3.03

Bus Number	Bus Name	Full Contribution
228001	CEDR#2CT	1.46
228301	D/W 1 ST	5.11
228302	D/W 6 ST	5.24
217078	ESSEX 12	12.51
209030	FRFA O01	.01
206331	GG A1&2	2.86
206332	GG A3&4	2.86
206333	GG B5&6	2.86
206334	GG B7&8	2.86
204639	GLATFLTR	.11
204646	HAM CT	.06
208942	HARR CT	.16
208985	HMSW IPP	.07
208903	HOLT 695	.22
208904	HOLT 696	.23
208907	HOLT 697	10.69
217081	HUDSON 1	24.4
204647	HUNTR CT	.13
217083	KEARNY11	8.86
217086	KRNY9&10	1.43
204640	LARA	.09
219134	MERCER 3	7.61
227807	MO AV B	1.32
204574	MODRN LF	.03
204648	MOUNT CT	.09
204603	N.LEB	.02
219137	NAT PARK	1.37
204665	ONTELCT1	.48
204666	ONTELCT2	.48
204667	ONTELST1	.34
204649	ORTAN CT	.04
204641	PANTHER	.2
209008	PAXT IPP	.03
204652	PORT1GEN	11.09
204653	PORT2GEN	16.91
295125	Q-020 2	.26
295130	Q-020 3	.
295133	Q-020 4	.
290201	Q-044	.
204679	Q-059	.02
295671	Q-073 C	.04
204555	QUEEN ST	.94
228343	QUINTN#1	.13

Bus Number	Bus Name	Full Contribution
295952	R-011	29.68
296509	R-057 C	.02
204610	ROLLHILL	.01
220915	RVRSDEG6	-7.88
204655	S.RDG CT	.09
290760	S-064	2.96
291017	S-107 1CT	4.51
291019	S-107 1ST	9.02
291018	S-107 2CT	4.51
208914	SAHA 34	.28
208915	SAHA 567	.45
208917	SAHA1112	.35
208916	SAHA8910	.52
218360	SEWAREN1	7.04
218361	SEWAREN2	7.98
218362	SEWAREN3	7.24
218363	SEWAREN4	8.38
218364	SEWAREN6	7.5
292512	T-146 C	4.55
885600	T20SOLAR E	.14
204656	TITUS 1G	9.47
204657	TITUS 2G	9.47
204658	TITUS 3G	9.47
204659	TMI 1GEN	2.45
204650	TOLNA CT	.16
292815	U1-056 C	3.
208848	U1-067	.01
887721	U1-068	.04
292966	U2-045 C	.17
293062	U2-076	.66
293093	U2-077	42.67
297005	V2-003 C	.1
297082	V2-035 C	.05
293450	V3-051 C	.
900111	V4-020	67.14
904221	V4-023 C1	.45
904223	V4-023 C2	.05
904231	V4-024 C1	.25
904233	V4-024 C2	.25
904241	V4-025 C1	.25
904243	V4-025 C2	.15
904245	V4-025 C3	.04
904247	V4-025 C4	.06

Bus Number	Bus Name	Full Contribution
904261	V4-027 C	.
904281	V4-029 C	.5
904361	V4-037 C1	.25
904363	V4-037 C3	.25
904401	V4-041 C	.5
904411	V4-042 C1	.25
904413	V4-042 C2	.25
900361	V4-045	21.76
LTF	V4-050	6.26
904511	V4-052 C	.02
904611	V4-062 C	.07
904741	V4-075 C	.
228700	VNLD 10	1.51
900801	W1-001	1.02
901051	W1-021 C	.5
901061	W1-022 C	.5
901071	W1-023 C	.5
208850	W1-046 C	.46
901141	W1-048 C	.12
901151	W1-054	.04
901191	W1-068 C	.5
901241	W1-076 C	.26
901281	W1-085 C	.5
901291	W1-086 C	.5
901301	W1-087 C	.5
901311	W1-088 C	.5
901321	W1-089 C	.45
901331	W1-090 C OP1	.45
901361	W1-105 C	.
901371	W1-106 C	.01
901461	W1-117 C	.5
901471	W1-118 C	.5
901541	W1-127 C	.08
901561	W1-130 C	.25
902211	W2-019 C	.15
902251	W2-023	42.29
902271	W2-028	.33
902281	W2-029	.34
902301	W2-035 C	.39
902321	W2-039	4.14
902341	W2-047 C	.24
902461	W2-075	.
902601	W2-094 C	.09

Bus Number	Bus Name	Full Contribution
902621	W2-101 C	.5
903251	W3-009 C	.25
903311	W3-028 C	2.99
903381	W3-033	.49
903391	W3-039 C	.18
903471	W3-048	3.29
903501	W3-058 C	.25
903891	W3-157 C	.04
903951	W3-174	12.66
903961	W3-175	24.27
905091	W4-009 OP1	48.93
905131	W4-015 C	8.86
905141	W4-016	22.14
905161	W4-018 C	.25
905181	W4-021	49.71
905211	W4-025 C	.17
905221	W4-027 C	.2
905291	W4-038 OP1	1.63
905301	W4-040 C	.24
905331	W4-045 C	.23
905391	W4-063 C	.04
208947	WSHO CT	.08
907091	X1-013 OP1	112.47
907241	X1-068	.67
907281	X1-073 C OP1	.33
907351	X1-085 C	.13
907381	X1-094 C	.45
907451	X1-108	2.32
909091	X2-027 C OP1	.05
909101	X2-028 C OP1	.07
909171	X2-050	44.87
910531	X3-004	2.38
910551	X3-006 C	11.36
910701	X3-044	1.93
910931	X3-085 C	.21
912071	X4-009 C	.87
912091	X4-012 C OP1	.16
912101	X4-015 C	.13
912111	X4-016	.68
912141	X4-020	55.03
912151	X4-021	22.01
912191	X4-032 C	.27
912261	X4-044 C	.67

Bus Number	Bus Name	Full Contribution
913131	Y1-020 C	.26
913171	Y1-025 C OP1	48.93
913181	Y1-026	10.84
913221	Y1-031 C OP1	.9
913351	Y1-056	2.44
913401	Y1-065 C	54.31
913481	Y1-072 C	.05
913511	Y1-077	4.8
913561	Y1-084 C OP1	.05
914271	Y2-078	1.34
914281	Y2-079	13.37
204660	YK H STA	.06
204642	YK SOLID	.12

Table 35

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.73
228001	CEDR#2CT	2.76
217078	ESSEX 12	-11.81
227807	MO AV B	1.31
94130	O66_NONFIRM	22.66
295952	R-011	229.89
206350	RRCT1&2	1.44
206351	RRCT3&4	1.5
292512	T-146 C	3.86
292815	U1-056 C	2.83
292966	U2-045 C	.17
292078	V1-034	.19
297005	V2-003 C	.08
902211	W2-019 C	.3
903311	W3-028 C	5.89
903381	W3-033	.5
903501	W3-058 C	.19
905091	W4-009 OP1	402.93
905181	W4-021	318.78
905211	W4-025 C	.34
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905391	W4-063 C	.04
907241	X1-068	5.29

Bus Number	Bus Name	Full Contribution
907351	X1-085 C	.26
907381	X1-094 C	-.36
910531	X3-004	-2.25
910931	X3-085 C	-.18
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
913171	Y1-025 C OP1	402.93
913511	Y1-077	4.08
914271	Y2-078	3.62
914281	Y2-079	36.18

Table 36

Bus Number	Bus Name	Full Contribution
204662	AES GEN1	.49
204663	AES GEN2	.49
204664	AES GEN3	.48
216908	BAYONNE	2.14
217006	BERGN26A	1.07
207922	BRIS	.03
208900	BRIS G1	1.34
208901	BRIS G2	1.58
208902	BRIS G3	3.14
217078	ESSEX 12	9.37
206331	GG A1&2	2.1
206332	GG A3&4	2.1
206333	GG B5&6	2.1
206334	GG B7&8	2.1
206340	GIL 4&5	.12
206342	GIL 6&7	.13
206341	GIL 8	.11
206347	GILCT1&2	.06
206348	GILCT3&4	.06
206330	GILCT9	.19
208942	HARR CT	.14
208985	HMSW IPP	.06
217081	HUDSON 1	18.28
217083	KEARNY11	6.63
217086	KRNY9&10	1.07
204640	LARA	.07
204603	N.LEB	.01
204665	ONTELCT1	.35

Bus Number	Bus Name	Full Contribution
204666	ONTELCT2	.35
204667	ONTELST1	.25
204641	PANTHER	.14
209008	PAXT IPP	.03
204652	PORT1GEN	8.23
204653	PORT2GEN	12.58
290201	Q-044	.
204679	Q-059	.01
315446	Q-065	-6.18
295671	Q-073 C	.03
295952	R-011	22.26
296509	R-057 C	.01
204610	ROLLHILL	.01
220915	RVRSDEG6	-6.21
204655	S.RDG CT	.05
218360	SEWAREN1	5.28
218361	SEWAREN2	5.98
218362	SEWAREN3	5.43
218363	SEWAREN4	6.29
218364	SEWAREN6	5.62
204656	TITUS 1G	5.34
204657	TITUS 2G	5.34
204658	TITUS 3G	5.34
204659	TMI 1GEN	1.97
208848	U1-067	.
293093	U2-077	31.99
297032	V2-010 C	.
293420	V3-044	.01
900111	V4-020	48.97
900361	V4-045	16.67
LTF	V4-050	4.53
904511	V4-052 C	.01
904741	V4-075 C	.
900801	W1-001	.76
901151	W1-054	.01
901241	W1-076 C	.19
901261	W1-082 C	.01
901361	W1-105 C	.
901371	W1-106 C	.01
901541	W1-127 C	.06
902251	W2-023	31.71
902281	W2-029	.25
903331	W3-032 C	.

Bus Number	Bus Name	Full Contribution
903391	W3-039 C	.13
903561	W3-076 C	.01
903571	W3-077 C	.01
903631	W3-095 C	.01
905091	W4-009 OP1	36.7
905121	W4-014 C	.01
905181	W4-021	37.29
905291	W4-038 OP1	1.22
905441	W4-073 C	.01
905541	W4-097 C	.
208947	WSHO CT	.09
907091	X1-013 OP1	89.61
907241	X1-068	.51
907281	X1-073 C OP1	.24
907351	X1-085 C	.1
907381	X1-094 C	.33
907451	X1-108	1.72
909021	X2-012 C	37.35
909171	X2-050	33.6
910531	X3-004	1.78
910551	X3-006 C	8.29
910701	X3-044	1.56
910911	X3-082 C OP1	.
910931	X3-085 C	.15
912071	X4-009 C	.93
912091	X4-012 C OP1	.12
912111	X4-016	.51
912141	X4-020	42.92
912151	X4-021	17.17
912261	X4-044 C	.5
912291	X4-048 OP1	46.78
913131	Y1-020 C	.19
913171	Y1-025 C OP1	36.7
913181	Y1-026	8.12
913221	Y1-031 C OP1	.67
913351	Y1-056	1.97
913401	Y1-065 C	41.48
913481	Y1-072 C	.04
913561	Y1-084 C OP1	.04
914271	Y2-078	1.
914281	Y2-079	10.03

Table 37

Bus Number	Bus Name	Full Contribution
216908	BAYONNE	3.02
217006	BERGN26A	1.51
219103	BURLNGT8	1.98
219124	BURLNGT9	17.38
228251	CARLLS#4	.45
228000	CEDR#1CT	3.95
228001	CEDR#2CT	1.9
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.11
213508	CON10-11	.9
213514	CONOW1-2	.58
213515	CONOW3-4	.66
213516	CONOW5-6	.58
213517	CONOW7	.33
213518	CONOW8-9	.9
228301	D/W 1 ST	7.36
228302	D/W 6 ST	7.55
213554	DALEVILLE	.02
231915	DC CT6	.15
231902	DC CT7	.23
231904	DC1 NUG	3.15
231905	DC2 NUG	3.15
232902	EASTMUNI	.18
213575	EDDYST10	.03
213577	EDDYST20	.03
213585	EDDYSTN2	35.19
213587	EDDYSTN3	1.03
213589	EDDYSTN4	1.03
213590	EDY30-40	.09
231917	EM10	.05
231916	EM3	.24
231901	EM4	.48
231900	EM5	1.22
217078	ESSEX 12	13.22
213962	FPL MH50	.14
231903	GEN4	8.94
213632	GFCP	.39
206331	GG A1&2	2.67
206332	GG A3&4	2.67
206333	GG B5&6	2.67

Bus Number	Bus Name	Full Contribution
206334	GG B7&8	2.67
231908	HR1	.34
231909	HR2	.35
231910	HR3	.34
231505	HR4	.51
217081	HUDSON 1	25.79
232906	IR3	18.45
217083	KEARNY11	9.36
213685	KIMCLARK	.09
217086	KRNY9&10	1.51
292590	L-018 E	1.15
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.61
219134	MERCER 3	10.97
227807	MO AV B	1.82
219137	NAT PARK	2.03
232910	NRG_G1	.11
232911	NRG_G2	.11
213888	PHLISCT1	.48
213889	PHLISCT2	.48
213890	PHLISCT3	.48
213893	PHLISST1	.66
204652	PORT1GEN	10.18
204653	PORT2GEN	15.67
228343	QUINTN#1	.19
295952	R-011	33.93
220915	RVRSDEG6	-8.59
291017	S-107 1CT	12.72
291019	S-107 1ST	25.44
291018	S-107 2CT	12.72
213941	SCHYLABC	.25
213943	SCHYLK10	.03
213944	SCHYLK11	.04
213945	SCHYLK1	18.03
218360	SEWAREN1	7.76
218361	SEWAREN2	8.83
218362	SEWAREN3	8.01
218363	SEWAREN4	9.31
218364	SEWAREN6	8.33
213957	STHWK3-4	.07
213958	STHWK5-6	.07
886231	T-144 C	1.06

Bus Number	Bus Name	Full Contribution
292512	T-146 C	6.36
885600	T20SOLAR E	.21
292815	U1-056 C	4.16
292878	U1-089	.05
889011	U2-015 C	.73
292966	U2-045 C	.24
293062	U2-076	.95
293093	U2-077	46.54
297005	V2-003 C	.14
297076	V2-028 C	.24
297082	V2-035 C	.07
293414	V3-041	.02
900131	V4-022 C	.2
904221	V4-023 C1	.64
904223	V4-023 C2	.08
904231	V4-024 C1	.36
904233	V4-024 C2	.36
904241	V4-025 C1	.36
904243	V4-025 C2	.22
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904281	V4-029 C	.72
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904401	V4-041 C	.72
904411	V4-042 C1	.36
904413	V4-042 C2	.36
900361	V4-045	25.62
LTF	V4-050	6.86
904611	V4-062 C	.11
904631	V4-064 C	.81
232813	VAUGHN	.01
232919	VN10	.04
228700	VNLD 10	2.15
900801	W1-001	1.11
901001	W1-003 C	.81
901011	W1-004 C	.81
901021	W1-005 C	.81
901031	W1-006 C	.81
901041	W1-008 C	.81
901051	W1-021 C	.71
901061	W1-022 C	.71
901071	W1-023 C	.71

Bus Number	Bus Name	Full Contribution
901141	W1-048 C	.18
901191	W1-068 C	.72
901201	W1-070 C	.81
901241	W1-076 C	.28
901281	W1-085 C	.71
901291	W1-086 C	.71
901301	W1-087 C	.71
901311	W1-088 C	.71
901321	W1-089 C	.64
901331	W1-090 C OP1	.64
901391	W1-108	1.42
901461	W1-117 C	.71
901471	W1-118 C	.71
901541	W1-127 C	.07
901561	W1-130 C	.35
902211	W2-019 C	.2
902251	W2-023	46.53
902271	W2-028	.45
902281	W2-029	.42
902301	W2-035 C	.57
902321	W2-039	5.88
902341	W2-047 C	.35
902621	W2-101 C	.72
903251	W3-009 C	.36
903311	W3-028 C	3.87
903341	W3-032A 1	16.06
903351	W3-032A 2	16.06
903381	W3-033	.68
903391	W3-039 C	.19
903471	W3-048	4.62
903481	W3-054AC	1.31
903501	W3-058 C	.35
903891	W3-157 C	.06
903921	W3-160 C	.4
903951	W3-174	18.45
903961	W3-175	35.37
905091	W4-009 OP1	55.61
905131	W4-015 C	13.31
905141	W4-016	33.27
905161	W4-018 C	.36
905181	W4-021	57.75
905211	W4-025 C	.22
905221	W4-027 C	.28

Bus Number	Bus Name	Full Contribution
905291	W4-038 OP1	1.72
905301	W4-040 C	.35
905331	W4-045 C	.29
905391	W4-063 C	.06
231918	WEST 1	.06
907241	X1-068	.77
907281	X1-073 C OP1	.29
907291	X1-074	29.66
907351	X1-085 C	.16
907381	X1-094 C	.43
907401	X1-096 C	2.07
907411	X1-097	.07
907451	X1-108	2.08
909091	X2-027 C OP1	.07
909101	X2-028 C OP1	.11
909171	X2-050	47.41
909231	X2-066	32.65
909241	X2-067	32.12
909281	X2-083	.01
910531	X3-004	2.51
910571	X3-008 C	.81
910591	X3-015 C	.79
910671	X3-040 C	.41
910681	X3-041 C	.6
910821	X3-066 C	.26
910841	X3-070	.22
910931	X3-085 C	.2
912091	X4-012 C OP1	.15
912101	X4-015 C	.16
912111	X4-016	.72
912121	X4-017 C	.81
912141	X4-020	48.58
912151	X4-021	19.43
912171	X4-027-CT1	1.36
912172	X4-027-CT2	1.36
912173	X4-027-CT3	1.36
912191	X4-032 C	.36
912261	X4-044 C	.72
912291	X4-048 OP1	.21
913041	Y1-008 C	.69
913131	Y1-020 C	.25
913171	Y1-025 C OP1	55.61
913181	Y1-026	11.83

Bus Number	Bus Name	Full Contribution
913221	Y1-031 C OP1	.95
913361	Y1-057 C	.01
913401	Y1-065 C	66.97
913481	Y1-072 C	.05
913511	Y1-077	6.71
913531	Y1-079 C OP1	.42
913541	Y1-080 C	.14
913561	Y1-084 C OP1	.05
914271	Y2-078	1.65
914281	Y2-079	16.45

Table 38

Bus Number	Bus Name	Full Contribution
216908	BAYONNE	3.02
217006	BERGN26A	1.51
219103	BURLNGT8	1.98
219124	BURLNGT9	17.38
228251	CARLLS#4	.45
228000	CEDR#1CT	3.95
228001	CEDR#2CT	1.9
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.11
213508	CON10-11	.9
213514	CONOW1-2	.58
213515	CONOW3-4	.66
213516	CONOW5-6	.58
213517	CONOW7	.33
213518	CONOW8-9	.9
228301	D/W 1 ST	7.36
228302	D/W 6 ST	7.55
213554	DALEVILLE	.02
231915	DC CT6	.15
231902	DC CT7	.23
231904	DC1 NUG	3.15
231905	DC2 NUG	3.15
232902	EASTMUNI	.18
213575	EDDYST10	.03
213577	EDDYST20	.03
213585	EDDYSTN2	35.19
213587	EDDYSTN3	1.03

Bus Number	Bus Name	Full Contribution
213589	EDDYSTN4	1.03
213590	EDY30-40	.09
231917	EM10	.05
231916	EM3	.24
231901	EM4	.48
231900	EM5	1.22
217078	ESSEX 12	13.22
213962	FPL MH50	.14
231903	GEN4	8.94
213632	GFCP	.39
206331	GG A1&2	2.67
206332	GG A3&4	2.67
206333	GG B5&6	2.67
206334	GG B7&8	2.67
231908	HR1	.34
231909	HR2	.35
231910	HR3	.34
231505	HR4	.51
217081	HUDSON 1	25.79
232906	IR3	18.45
217083	KEARNY11	9.36
213685	KIMCLARK	.09
217086	KRNY9&10	1.51
292590	L-018 E	1.15
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.61
219134	MERCER 3	10.97
227807	MO AV B	1.82
219137	NAT PARK	2.03
232910	NRG_G1	.11
232911	NRG_G2	.11
213888	PHLISCT1	.48
213889	PHLISCT2	.48
213890	PHLISCT3	.48
213893	PHLISST1	.66
204652	PORT1GEN	10.18
204653	PORT2GEN	15.67
228343	QUINTN#1	.19
295952	R-011	33.93
220915	RVRSDEG6	-8.59
291017	S-107 1CT	12.72
291019	S-107 1ST	25.44

Bus Number	Bus Name	Full Contribution
291018	S-107 2CT	12.72
213941	SCHYLABC	.25
213943	SCHYLK10	.03
213944	SCHYLK11	.04
213945	SCHYLKL1	18.03
218360	SEWAREN1	7.76
218361	SEWAREN2	8.83
218362	SEWAREN3	8.01
218363	SEWAREN4	9.31
218364	SEWAREN6	8.33
213957	STHWK3-4	.07
213958	STHWK5-6	.07
886231	T-144 C	1.06
292512	T-146 C	6.36
885600	T20SOLAR E	.21
292815	U1-056 C	4.16
292878	U1-089	.05
889011	U2-015 C	.73
292966	U2-045 C	.24
293062	U2-076	.95
293093	U2-077	46.54
297005	V2-003 C	.14
297076	V2-028 C	.24
297082	V2-035 C	.07
293414	V3-041	.02
900131	V4-022 C	.2
904221	V4-023 C1	.64
904223	V4-023 C2	.08
904231	V4-024 C1	.36
904233	V4-024 C2	.36
904241	V4-025 C1	.36
904243	V4-025 C2	.22
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904281	V4-029 C	.72
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904401	V4-041 C	.72
904411	V4-042 C1	.36
904413	V4-042 C2	.36
900361	V4-045	25.62
LTF	V4-050	6.86
904611	V4-062 C	.11

Bus Number	Bus Name	Full Contribution
904631	V4-064 C	.81
232813	VAUGHN	.01
232919	VN10	.04
228700	VNLD 10	2.15
900801	W1-001	1.11
901001	W1-003 C	.81
901011	W1-004 C	.81
901021	W1-005 C	.81
901031	W1-006 C	.81
901041	W1-008 C	.81
901051	W1-021 C	.71
901061	W1-022 C	.71
901071	W1-023 C	.71
901141	W1-048 C	.18
901191	W1-068 C	.72
901201	W1-070 C	.81
901241	W1-076 C	.28
901281	W1-085 C	.71
901291	W1-086 C	.71
901301	W1-087 C	.71
901311	W1-088 C	.71
901321	W1-089 C	.64
901331	W1-090 C OPI	.64
901391	W1-108	1.42
901461	W1-117 C	.71
901471	W1-118 C	.71
901541	W1-127 C	.07
901561	W1-130 C	.35
902211	W2-019 C	.2
902251	W2-023	46.53
902271	W2-028	.45
902281	W2-029	.42
902301	W2-035 C	.57
902321	W2-039	5.88
902341	W2-047 C	.35
902621	W2-101 C	.72
903251	W3-009 C	.36
903311	W3-028 C	3.87
903341	W3-032A 1	16.06
903351	W3-032A 2	16.06
903381	W3-033	.68
903391	W3-039 C	.19
903471	W3-048	4.62

Bus Number	Bus Name	Full Contribution
903481	W3-054AC	1.31
903501	W3-058 C	.35
903891	W3-157 C	.06
903921	W3-160 C	.4
903951	W3-174	18.45
903961	W3-175	35.37
905091	W4-009 OP1	55.61
905131	W4-015 C	13.31
905141	W4-016	33.27
905161	W4-018 C	.36
905181	W4-021	57.75
905211	W4-025 C	.22
905221	W4-027 C	.28
905291	W4-038 OP1	1.72
905301	W4-040 C	.35
905331	W4-045 C	.29
905391	W4-063 C	.06
231918	WEST 1	.06
907241	X1-068	.77
907281	X1-073 C OPI	.29
907291	X1-074	29.66
907351	X1-085 C	.16
907381	X1-094 C	.43
907401	X1-096 C	2.07
907411	X1-097	.07
907451	X1-108	2.08
909091	X2-027 C OPI	.07
909101	X2-028 C OPI	.11
909171	X2-050	47.41
909231	X2-066	32.65
909241	X2-067	32.12
909281	X2-083	.01
910531	X3-004	2.51
910571	X3-008 C	.81
910591	X3-015 C	.79
910671	X3-040 C	.41
910681	X3-041 C	.6
910821	X3-066 C	.26
910841	X3-070	.22
910931	X3-085 C	.2
912091	X4-012 C OPI	.15
912101	X4-015 C	.16
912111	X4-016	.72

Bus Number	Bus Name	Full Contribution
912121	X4-017 C	.81
912141	X4-020	48.58
912151	X4-021	19.43
912171	X4-027-CT1	1.36
912172	X4-027-CT2	1.36
912173	X4-027-CT3	1.36
912191	X4-032 C	.36
912261	X4-044 C	.72
912291	X4-048 OP1	.21
913041	Y1-008 C	.69
913131	Y1-020 C	.25
913171	Y1-025 C OPI	55.61
913181	Y1-026	11.83
913221	Y1-031 C OPI	.95
913361	Y1-057 C	.01
913401	Y1-065 C	66.97
913481	Y1-072 C	.05
913511	Y1-077	6.71
913531	Y1-079 C OPI	.42
913541	Y1-080 C	.14
913561	Y1-084 C OPI	.05
914271	Y2-078	1.65
914281	Y2-079	16.45

Table 39

Bus Number	Bus Name	Full Contribution
216908	BAYONNE	2.47
208972	BEGR K09	.01
217006	BERGN26A	1.24
212099	BRMO IPP	.01
217078	ESSEX 12	10.83
208941	FISH CT	.05
208981	FOWH IPP	.07
206331	GG A1&2	2.33
206332	GG A3&4	2.33
206333	GG B5&6	2.33
206334	GG B7&8	2.33
208982	GLBT IPP	.14
208943	HARW CT	.05
217081	HUDSON 1	21.13
234304	HUN GEN3	.07

Bus Number	Bus Name	Full Contribution
234305	HUN GEN4	.1
234311	HUN GEN5	.11
234312	HUN GEN6	.11
212174	INGE	.01
208944	JENK CT	.07
217083	KEARNY11	7.67
209004	KOPP IPP	.01
217086	KRNY9&10	1.24
209003	KSTN IPP	.01
292590	L-018 E	2.2
208945	LOHA CT	.02
212265	LOR1_N14_C	.01
209027	LOR2_Q27 E	5.7
208911	MONT G1	1.35
208912	MONT G2	1.38
209006	NEPC IPP	.1
209010	PEIP 1	.08
209009	PEIP 2	.13
204652	PORT1GEN	9.89
204653	PORT2GEN	15.62
295223	Q-028 C	.24
295952	R-011	23.68
212384	R-043	.28
212386	R-043	1.14
290673	S-042 C	.25
209013	SCEN IPP	.14
218360	SEWAREN1	5.83
218361	SEWAREN2	6.6
218362	SEWAREN3	5.98
218363	SEWAREN4	6.91
218364	SEWAREN6	6.18
204654	SHAW CT	.04
200715	SHAWVL 1	-12.17
200722	SHAWVL 2	-12.39
200665	SHAWVL 3	-18.49
212449	SUNB CT	.01
209018	SUNBIPCT	.06
209014	SUNBIPP1	.13
209015	SUNBIPP2	.13
209016	SUNBIPP3	.15
208918	SUSQ 1	2.52
200038	SUSQ 2	2.14
889011	U2-015 C	1.05

Bus Number	Bus Name	Full Contribution
293093	U2-077	35.73
893121	V2-027	.
900111	V4-020	25.52
LTF	V4-050	6.39
209019	VIKI IPP	1.15
900801	W1-001	.85
901241	W1-076 C	.21
901431	W1-114 C	.
901441	W1-115 C	.
901541	W1-127 C	.07
902251	W2-023	35.14
LTF	W2-033	4.44
903271	W3-022 C OP1	1.38
903391	W3-039 C	.15
905091	W4-009 OP1	39.22
905181	W4-021	39.2
905291	W4-038 OP1	1.41
209029	WAYM IPP	.03
209021	WEST IPP	.05
209022	WHFR IPP	.07
209023	WIENIPP1	.11
209025	WIENIPP3	.12
209026	WIENIPP4	.06
208948	WILL CT	.05
208920	WLPK	.1
907091	X1-013 OP1	1.79
907241	X1-068	.54
907281	X1-073 C OP1	.27
907351	X1-085 C	.1
907381	X1-094 C	.39
907451	X1-108	2.08
909021	X2-012 C	57.06
909081	X2-025	22.51
909171	X2-050	38.85
910531	X3-004	2.06
910931	X3-085 C	.18
912091	X4-012 C OP1	.14
912111	X4-016	.59
912131	X4-019	12.29
912141	X4-020	25.32
912261	X4-044 C	.57
912291	X4-048 OP1	130.31
913131	Y1-020 C	.23

Bus Number	Bus Name	Full Contribution
913171	Y1-025 C OP1	39.22
913181	Y1-026	9.07
913221	Y1-031 C OP1	.78
913401	Y1-065 C	26.81
913481	Y1-072 C	.04
913561	Y1-084 C OP1	.05
914271	Y2-078	1.01
914281	Y2-079	10.12

Table 40

Bus Number	Bus Name	Full Contribution
216908	BAYONNE	3.02
217006	BERGN26A	1.51
219103	BURLNGT8	1.98
219124	BURLNGT9	17.38
228251	CARLLS#4	.45
228000	CEDR#1CT	3.95
228001	CEDR#2CT	1.9
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.11
213508	CON10-11	.9
213514	CONOW1-2	.58
213515	CONOW3-4	.66
213516	CONOW5-6	.58
213517	CONOW7	.33
213518	CONOW8-9	.9
228301	D/W 1 ST	7.36
228302	D/W 6 ST	7.55
213554	DALEVILLE	.02
231915	DC CT6	.15
231902	DC CT7	.23
231904	DC1 NUG	3.15
231905	DC2 NUG	3.15
232902	EASTMUNI	.18
213575	EDDYST10	.03
213577	EDDYST20	.03
213585	EDDYSTN2	35.19
213587	EDDYSTN3	1.03
213589	EDDYSTN4	1.03
213590	EDY30-40	.09

Bus Number	Bus Name	Full Contribution
231917	EM10	.05
231916	EM3	.24
231901	EM4	.48
231900	EM5	1.22
217078	ESSEX 12	13.22
213962	FPL MH50	.14
231903	GEN4	8.94
213632	GFCP	.39
206331	GG A1&2	2.67
206332	GG A3&4	2.67
206333	GG B5&6	2.67
206334	GG B7&8	2.67
231908	HR1	.34
231909	HR2	.35
231910	HR3	.34
231505	HR4	.51
217081	HUDSON 1	25.79
232906	IR3	18.45
217083	KEARNY11	9.36
213685	KIMCLARK	.09
217086	KRNY9&10	1.51
292590	L-018 E	1.15
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.61
219134	MERCER 3	10.97
227807	MO AV B	1.82
219137	NAT PARK	2.03
232910	NRG_G1	.11
232911	NRG_G2	.11
213888	PHLISCT1	.48
213889	PHLISCT2	.48
213890	PHLISCT3	.48
213893	PHLISST1	.66
204652	PORT1GEN	10.18
204653	PORT2GEN	15.67
228343	QUINTN#1	.19
295952	R-011	33.93
220915	RVRSDEG6	-8.59
291017	S-107 1CT	12.72
291019	S-107 1ST	25.44
291018	S-107 2CT	12.72
213941	SCHYLABC	.25

Bus Number	Bus Name	Full Contribution
213943	SCHYLK10	.03
213944	SCHYLK11	.04
213945	SCHYLK1	18.03
218360	SEWAREN1	7.76
218361	SEWAREN2	8.83
218362	SEWAREN3	8.01
218363	SEWAREN4	9.31
218364	SEWAREN6	8.33
213957	STHWK3-4	.07
213958	STHWK5-6	.07
886231	T-144 C	1.06
292512	T-146 C	6.36
885600	T20SOLAR E	.21
292815	U1-056 C	4.16
292878	U1-089	.05
889011	U2-015 C	.73
292966	U2-045 C	.24
293062	U2-076	.95
293093	U2-077	46.54
297005	V2-003 C	.14
297076	V2-028 C	.24
297082	V2-035 C	.07
293414	V3-041	.02
900131	V4-022 C	.2
904221	V4-023 C1	.64
904223	V4-023 C2	.08
904231	V4-024 C1	.36
904233	V4-024 C2	.36
904241	V4-025 C1	.36
904243	V4-025 C2	.22
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904281	V4-029 C	.72
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904401	V4-041 C	.72
904411	V4-042 C1	.36
904413	V4-042 C2	.36
900361	V4-045	25.62
LTF	V4-050	6.86
904611	V4-062 C	.11
904631	V4-064 C	.81
232813	VAUGHN	.01

Bus Number	Bus Name	Full Contribution
232919	VN10	.04
228700	VNLD 10	2.15
900801	W1-001	1.11
901001	W1-003 C	.81
901011	W1-004 C	.81
901021	W1-005 C	.81
901031	W1-006 C	.81
901041	W1-008 C	.81
901051	W1-021 C	.71
901061	W1-022 C	.71
901071	W1-023 C	.71
901141	W1-048 C	.18
901191	W1-068 C	.72
901201	W1-070 C	.81
901241	W1-076 C	.28
901281	W1-085 C	.71
901291	W1-086 C	.71
901301	W1-087 C	.71
901311	W1-088 C	.71
901321	W1-089 C	.64
901331	W1-090 C OPI	.64
901391	W1-108	1.42
901461	W1-117 C	.71
901471	W1-118 C	.71
901541	W1-127 C	.07
901561	W1-130 C	.35
902211	W2-019 C	.2
902251	W2-023	46.53
902271	W2-028	.45
902281	W2-029	.42
902301	W2-035 C	.57
902321	W2-039	5.88
902341	W2-047 C	.35
902621	W2-101 C	.72
903251	W3-009 C	.36
903311	W3-028 C	3.87
903341	W3-032A 1	16.06
903351	W3-032A 2	16.06
903381	W3-033	.68
903391	W3-039 C	.19
903471	W3-048	4.62
903481	W3-054AC	1.31
903501	W3-058 C	.35

Bus Number	Bus Name	Full Contribution
903891	W3-157 C	.06
903921	W3-160 C	.4
903951	W3-174	18.45
903961	W3-175	35.37
905091	W4-009 OP1	55.61
905131	W4-015 C	13.31
905141	W4-016	33.27
905161	W4-018 C	.36
905181	W4-021	57.75
905211	W4-025 C	.22
905221	W4-027 C	.28
905291	W4-038 OP1	1.72
905301	W4-040 C	.35
905331	W4-045 C	.29
905391	W4-063 C	.06
231918	WEST 1	.06
907241	X1-068	.77
907281	X1-073 C OP1	.29
907291	X1-074	29.66
907351	X1-085 C	.16
907381	X1-094 C	.43
907401	X1-096 C	2.07
907411	X1-097	.07
907451	X1-108	2.08
909091	X2-027 C OP1	.07
909101	X2-028 C OP1	.11
909171	X2-050	47.41
909231	X2-066	32.65
909241	X2-067	32.12
909281	X2-083	.01
910531	X3-004	2.51
910571	X3-008 C	.81
910591	X3-015 C	.79
910671	X3-040 C	.41
910681	X3-041 C	.6
910821	X3-066 C	.26
910841	X3-070	.22
910931	X3-085 C	.2
912091	X4-012 C OP1	.15
912101	X4-015 C	.16
912111	X4-016	.72
912121	X4-017 C	.81
912141	X4-020	48.58

Bus Number	Bus Name	Full Contribution
912151	X4-021	19.43
912171	X4-027-CT1	1.36
912172	X4-027-CT2	1.36
912173	X4-027-CT3	1.36
912191	X4-032 C	.36
912261	X4-044 C	.72
912291	X4-048 OP1	.21
913041	Y1-008 C	.69
913131	Y1-020 C	.25
913171	Y1-025 C OP1	55.61
913181	Y1-026	11.83
913221	Y1-031 C OP1	.95
913361	Y1-057 C	.01
913401	Y1-065 C	66.97
913481	Y1-072 C	.05
913511	Y1-077	6.71
913531	Y1-079 C OP1	.42
913541	Y1-080 C	.14
913561	Y1-084 C OP1	.05
914271	Y2-078	1.65
914281	Y2-079	16.45

Table 41

Bus Number	Bus Name	Full Contribution
232905	BAYVIEW1	.04
219103	BURLNGT8	2.3
219124	BURLNGT9	20.16
228251	CARLLS#4	.55
228000	CEDR#1CT	5.
228001	CEDR#2CT	2.41
232926	CRISFLD1	.03
228301	D/W 1 ST	8.84
228302	D/W 6 ST	9.07
231904	DC1 NUG	3.49
231905	DC2 NUG	3.49
232900	DEMECSMY	.14
232851	DUP-SFR1	.03
232902	EASTMUNI	.2
213585	EDDYSTN2	33.75
232616	GEN FOOD	.05
231903	GEN4	9.91

Bus Number	Bus Name	Full Contribution
200039	HOPE CG1	3.36
231911	HR5	.37
231912	HR6	.37
231913	HR7	.37
231914	HR8	.56
232920	IR10	.05
232906	IR3	21.75
232904	IR4	1.27
213792	MDYRN1-2	.9
213793	MDYRN3-4	.9
213794	MDYRN5-6	.9
213795	MDYRN7-8	.9
219134	MERCER 3	12.59
227807	MO AV B	2.25
232923	MR1	.05
232924	MR2	.05
232922	MR3	.3
219137	NAT PARK	2.32
232901	NORTHST	.12
232910	NRG_G1	.13
232911	NRG_G2	.13
293670	O-025 C	.02
232912	OH NUG1	.13
232913	OH NUG2	.13
232914	OH NUG3	.13
232915	OH NUG4	.13
232916	OH NUG5	.13
232917	OH NUG6	.13
232918	OH NUG7	.13
200192	P-004 1CT	.44
200193	P-004 2CT	.44
200194	P-004 3CT	.44
200195	P-004 4ST	.69
200034	PCHBTM 2	4.36
200035	PCHBTM 3	4.3
228343	QUINTN#1	.23
295952	R-011	44.93
200052	ROCKSP 1	.57
200053	ROCKSP 2	.57
200054	ROCKSP 3	.58
200055	ROCKSP 4	.58
291017	S-107 1CT	14.53
291019	S-107 1ST	29.05

Bus Number	Bus Name	Full Contribution
291018	S-107 2CT	14.53
200036	SALEM-G1	3.39
213941	SCHYLABC	.25
213945	SCHYLKL1	17.89
218363	SEWAREN4	12.41
218364	SEWAREN6	11.1
292089	T-011	.01
886231	T-144 C	1.24
292512	T-146 C	7.86
885600	T20SOLAR E	.24
232921	TASLEY2G	.1
292769	U1-010	.07
292815	U1-056 C	5.14
292966	U2-045 C	.29
293062	U2-076	1.09
293093	U2-077	62.36
297005	V2-003 C	.17
297076	V2-028 C	.28
297082	V2-035 C	.09
900131	V4-022 C	.24
904221	V4-023 C1	.77
904223	V4-023 C2	.09
904231	V4-024 C1	.43
904233	V4-024 C2	.43
904241	V4-025 C1	.43
904243	V4-025 C2	.26
904245	V4-025 C3	.07
904247	V4-025 C4	.1
904281	V4-029 C	.86
904361	V4-037 C1	.43
904363	V4-037 C3	.43
904401	V4-041 C	.86
904411	V4-042 C1	.43
904413	V4-042 C2	.43
900361	V4-045	49.27
LTf	V4-050	6.76
904611	V4-062 C	.13
904631	V4-064 C	.95
232813	VAUGHN	.01
232919	VN10	.05
232907	VN8	.45
228700	VNLD 10	2.63
901001	W1-003 C	.95

Bus Number	Bus Name	Full Contribution
901011	W1-004 C	.95
901021	W1-005 C	.95
901031	W1-006 C	.95
901041	W1-008 C	.95
901051	W1-021 C	.87
901061	W1-022 C	.87
901071	W1-023 C	.87
901141	W1-048 C	.22
901171	W1-062	.16
901191	W1-068 C	.87
901201	W1-070 C	.94
901281	W1-085 C	.87
901291	W1-086 C	.87
901301	W1-087 C	.87
901311	W1-088 C	.87
901321	W1-089 C	.78
901331	W1-090 C OP1	.77
901391	W1-108	1.4
901461	W1-117 C	.87
901471	W1-118 C	.87
901561	W1-130 C	.43
902211	W2-019 C	.25
902251	W2-023	62.22
902271	W2-028	.55
902281	W2-029	.58
902301	W2-035 C	.68
902321	W2-039	7.22
902341	W2-047 C	.41
902621	W2-101 C	.87
903251	W3-009 C	.43
903311	W3-028 C	4.91
903341	W3-032A 1	19.32
903351	W3-032A 2	19.32
903381	W3-033	.84
903471	W3-048	6.12
903481	W3-054AC	1.54
903501	W3-058 C	.43
903891	W3-157 C	.07
903921	W3-160 C	.47
903951	W3-174	22.13
903961	W3-175	42.42
905091	W4-009 OP1	73.78
905131	W4-015 C	15.2

Bus Number	Bus Name	Full Contribution
905141	W4-016	37.99
905161	W4-018 C	.43
905181	W4-021	76.11
905211	W4-025 C	.28
905221	W4-027 C	.34
905301	W4-040 C	.42
905331	W4-045 C	.37
905391	W4-063 C	.07
907241	X1-068	1.02
907291	X1-074	36.6
907351	X1-085 C	.2
907401	X1-096 C	2.43
907411	X1-097	.08
909091	X2-027 C OP1	.09
909101	X2-028 C OP1	.13
909171	X2-050	47.46
909231	X2-066	38.47
909241	X2-067	38.65
910571	X3-008 C	.94
910591	X3-015 C	.92
910671	X3-040 C	.49
910681	X3-041 C	.71
910821	X3-066 C	.28
910841	X3-070	.24
910851	X3-071 C	.01
910881	X3-077 C	.01
912101	X4-015 C	.21
912121	X4-017 C	.95
912141	X4-020	145.97
912151	X4-021	58.39
912171	X4-027-CT1	1.3
912172	X4-027-CT2	1.3
912173	X4-027-CT3	1.3
912191	X4-032 C	.43
913041	Y1-008 C	.81
913171	Y1-025 C OP1	73.78
913361	Y1-057 C	.01
913401	Y1-065 C	119.82
913511	Y1-077	8.29
913531	Y1-079 C OP1	.47
913541	Y1-080 C	.16
914271	Y2-078	2.13
914281	Y2-079	21.26

Table 42

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	2.28
219124	BURLNGT9	20.
228251	CARLLS#4	.54
228000	CEDR#1CT	4.96
228001	CEDR#2CT	2.39
228301	D/W 1 ST	8.77
228302	D/W 6 ST	9.
231904	DC1 NUG	3.46
231905	DC2 NUG	3.46
213585	EDDYSTN2	33.45
231903	GEN4	9.83
208453	HONY	-.24
231914	HR8	.56
232906	IR3	21.59
213792	MDYRN1-2	.89
213793	MDYRN3-4	.9
213794	MDYRN5-6	.89
213795	MDYRN7-8	.9
219134	MERCER 3	12.49
227807	MO AV B	2.24
214194	N WALES4	.21
219137	NAT PARK	2.3
200192	P-004 1CT	.44
200193	P-004 2CT	.44
200194	P-004 3CT	.44
200195	P-004 4ST	.68
200034	PCHBTM 2	4.33
200035	PCHBTM 3	4.28
228343	QUINTN#1	.23
295952	R-011	44.57
200052	ROCKSP 1	.57
200053	ROCKSP 2	.57
200054	ROCKSP 3	.58
200055	ROCKSP 4	.58
291017	S-107 1CT	14.41
291019	S-107 1ST	28.82
291018	S-107 2CT	14.41
213941	SCHYLABC	.25
213945	SCHYLKL1	17.73
208769	SISO	-.34
886231	T-144 C	1.23

Bus Number	Bus Name	Full Contribution
886232	T-144 E	1.21
292512	T-146 C	7.8
292513	T-146 E	31.2
885600	T20SOLAR E	.24
292769	U1-010	.07
292815	U1-056 C	5.1
292816	U1-056 E	34.1
292966	U2-045 C	.29
292967	U2-045 E	1.95
293062	U2-076	1.08
291996	U4-036 E	.35
292063	V1-021 E	.03
292194	V1-030 CE	.23
292185	V1-030 E2	.39
292099	V1-030 E3	.1
292101	V1-030 E4	.1
292103	V1-030 E5	.25
292105	V1-030 E6	.1
292107	V1-030 E7	.08
292087	V1-030 E8	.1
292189	V1-030 EA	.48
292115	V1-030 EB	.39
292195	V1-030 EE	.38
297005	V2-003 C	.17
297006	V2-003 E	.28
297021	V2-009 E1	.16
297023	V2-009 E2	.32
297025	V2-009 E3	.4
297027	V2-009 E4	.24
297039	V2-013 E	.03
297076	V2-028 C	.28
297077	V2-028 E	.46
297082	V2-035 C	.09
297083	V2-035 E	.14
297090	V2-041 E	.28
297104	V2-046 E	1.45
297106	V2-047 E	.15
293378	V3-024 E	.32
292666	V3-058 E	.2
292668	V3-059 E	.2
904042	V4-005 E	.2
904082	V4-009 E	.7
900131	V4-022 C	.23

Bus Number	Bus Name	Full Contribution
900132	V4-022 E	.38
904221	V4-023 C1	.76
904223	V4-023 C2	.09
904222	V4-023 E1	1.26
904224	V4-023 E2	.14
904231	V4-024 C1	.43
904233	V4-024 C2	.43
904232	V4-024 E1	.7
904234	V4-024 E2	.7
904241	V4-025 C1	.43
904243	V4-025 C2	.26
904245	V4-025 C3	.07
904247	V4-025 C4	.1
904242	V4-025 E1	.7
904244	V4-025 E2	.42
904246	V4-025 E3	.11
904248	V4-025 E4	.17
904281	V4-029 C	.86
904282	V4-029 E	1.4
904361	V4-037 C1	.43
904363	V4-037 C3	.43
904362	V4-037 E2	.7
904364	V4-037 E4	.7
904401	V4-041 C	.85
904402	V4-041 E	1.39
904411	V4-042 C1	.43
904413	V4-042 C2	.43
904412	V4-042 E1	.7
904414	V4-042 E2	.69
900361	V4-045	49.
LTF	V4-050	6.65
904532	V4-054 E	1.41
904611	V4-062 C	.13
904612	V4-062 E	.21
904631	V4-064 C	.94
904632	V4-064 E	1.53
900462	V4-067 E	.18
228700	VNLD 10	2.61
901001	W1-003 C	.94
901002	W1-003 E	1.53
901011	W1-004 C	.94
901012	W1-004 E	1.53
901021	W1-005 C	.94

Bus Number	Bus Name	Full Contribution
901022	W1-005 E	1.53
901031	W1-006 C	.94
901032	W1-006 E	1.53
901041	W1-008 C	.94
901042	W1-008 E	1.53
901051	W1-021 C	.86
901052	W1-021 E	1.41
901061	W1-022 C	.86
901062	W1-022 E	1.41
901071	W1-023 C	.86
901072	W1-023 E	1.41
901082	W1-024 E	.26
901102	W1-032 E	.19
901141	W1-048 C	.21
901142	W1-048 E	.35
901191	W1-068 C	.86
901192	W1-068 E	1.4
901201	W1-070 C	.94
901202	W1-070 E	1.53
901272	W1-083 E	.32
901281	W1-085 C	.86
901282	W1-085 E	1.41
901291	W1-086 C	.86
901292	W1-086 E	1.41
901301	W1-087 C	.86
901302	W1-087 E	1.41
901311	W1-088 C	.86
901312	W1-088 E	1.41
901321	W1-089 C	.77
901322	W1-089 E	1.27
901331	W1-090 C OP1	.77
901332	W1-090 E OP1	1.26
901391	W1-108	1.39
901422	W1-113 E	.52
901461	W1-117 C	.86
901462	W1-117 E	1.41
901471	W1-118 C	.86
901472	W1-118 E	1.41
901482	W1-119 E	1.19
901492	W1-120 E	1.33
901502	W1-121 E	.52
901522	W1-124 E	1.09
901552	W1-129 E	.33

Bus Number	Bus Name	Full Contribution
901561	W1-130 C	.43
901562	W1-130 E	.7
902211	W2-019 C	.25
902212	W2-019 E	.4
902251	W2-023	29.03
902262	W2-026 E	.18
902271	W2-028	.55
902281	W2-029	.58
902292	W2-030 E	.69
902301	W2-035 C	.68
902302	W2-035 E	1.13
902312	W2-036 E	.05
902321	W2-039	7.16
902341	W2-047 C	.4
902342	W2-047 E	.66
902392	W2-056 E	.75
902412	W2-060 E	1.35
902432	W2-071 E	.19
902452	W2-074 E	.1
902482	W2-078 E	.58
902552	W2-088 E	1.1
902562	W2-090 E	1.37
902621	W2-101 C	.86
902622	W2-101 E	1.4
902632	W2-102 E	.48
903251	W3-009 C	.43
903252	W3-009 E	.7
903292	W3-025 E	.22
903302	W3-026 E	.34
903311	W3-028 C	4.87
903312	W3-028 E	32.77
903341	W3-032A 1	19.18
903351	W3-032A 2	19.18
903381	W3-033	.84
903402	W3-041 E	.67
903422	W3-045 E	.19
903471	W3-048	6.08
903481	W3-054AC	1.52
903482	W3-054AE	10.2
903492	W3-057 E	1.37
903501	W3-058 C	.43
903502	W3-058 E	.7
903582	W3-078 E	.84

Bus Number	Bus Name	Full Contribution
903592	W3-079 E	.91
903602	W3-080 E	1.35
903652	W3-101 E	.23
903722	W3-120 E	1.12
903732	W3-124 E	.19
903891	W3-157 C	.07
903892	W3-157 E	.12
903902	W3-158 E	.53
903912	W3-159 E	.79
903921	W3-160 C	.47
903922	W3-160 E	.77
903951	W3-174	21.95
903961	W3-175	42.09
905091	W4-009 OP1	73.18
905112	W4-011 E	.98
905131	W4-015 C	15.07
905141	W4-016	37.68
905161	W4-018 C	.43
905162	W4-018 E	.7
905181	W4-021	75.49
905211	W4-025 C	.28
905212	W4-025 E	.47
905221	W4-027 C	.34
905222	W4-027 E	.55
905232	W4-029 E	.21
905301	W4-040 C	.41
905302	W4-040 E	.67
905331	W4-045 C	.36
905332	W4-045 E	.6
905362	W4-058 E	.05
905391	W4-063 C	.07
905392	W4-063 E	.49
905432	W4-072 E	1.04
905482	W4-085 E	.21
905512	W4-089 E	.23
905522	W4-090 E	.23
905562	W4-103 E	.48
907032	X1-021 E	.34
907052	X1-032 E	.49
907082	X1-037 E	1.1
907132	X1-043 E	.22
907162	X1-049 E	.21
907202	X1-054 E	.67

Bus Number	Bus Name	Full Contribution
907222	X1-066 E	.11
907241	X1-068	1.01
907252	X1-070 E	.26
907262	X1-071 E	.09
907291	X1-074	36.33
907351	X1-085 C	.2
907352	X1-085 E	.33
907401	X1-096 C	2.41
907402	X1-096 E	16.11
907472	X1-110 E	.23
909032	X2-013 E	.22
909091	X2-027 C OP1	.09
909092	X2-027 E OP1	.14
909101	X2-028 C OP1	.13
909102	X2-028 E OP1	.21
909122	X2-033 E	.19
909212	X2-059 E	.66
909231	X2-066	38.18
909241	X2-067	38.37
909312	X2-088 E	.15
910562	X3-007 E	.21
910571	X3-008 C	.94
910572	X3-008 E	1.53
910591	X3-015 C	.91
910592	X3-015 E	1.49
910671	X3-040 C	.48
910672	X3-040 E	3.22
910681	X3-041 C	.7
910682	X3-041 E	1.14
910692	X3-043 E	.82
910821	X3-066 C	.28
910822	X3-066 E	.45
910841	X3-070	.24
910852	X3-071 E	.77
910862	X3-075 E	.33
910882	X3-077 E	.77
910902	X3-081 E	.05
912032	X4-004 E	.55
912042	X4-005 E	6.06
912101	X4-015 C	.2
912102	X4-015 E	.33
912121	X4-017 C	.94
912122	X4-017 E	1.53

Bus Number	Bus Name	Full Contribution
912141	X4-020	145.36
912151	X4-021	58.14
912171	X4-027-CT1	1.28
912172	X4-027-CT2	1.28
912173	X4-027-CT3	1.28
912182	X4-031 E	.21
912191	X4-032 C	.42
912192	X4-032 E	.21
912232	X4-040 E	.25
912271	X4-045 E	.05
913041	Y1-008 C	.8
913042	Y1-008 E	5.37
913171	Y1-025 C OP1	73.18
913172	Y1-025 E OP1	6.06
913361	Y1-057 C	.01
913362	Y1-057 E	.21
913401	Y1-065 C	119.13
913402	Y1-065 E	6.96
913502	Y1-075 E	.19
913511	Y1-077	8.23
913531	Y1-079 C OP1	.46
913532	Y1-079 E OP1	.75
913541	Y1-080 C	.16
913542	Y1-080 E	.26
914271	Y2-078	2.11
914281	Y2-079	21.09

Table 43

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.72
228001	CEDR#2CT	2.75
217078	ESSEX 12	-11.82
206679	M&M S721	-.56
227807	MO AV B	1.31
94130	O66_NONFIRM	22.68
206638	PEAPACK	-.28
290092	Q-041 E	-1.9
295952	R-011	229.34
292512	T-146 C	3.86
292513	T-146 E	15.43

Bus Number	Bus Name	Full Contribution
292815	U1-056 C	2.82
292816	U1-056 E	18.88
292966	U2-045 C	.17
292967	U2-045 E	1.14
292063	V1-021 E	.02
292078	V1-034	.19
297005	V2-003 C	.08
297006	V2-003 E	.14
297039	V2-013 E	.08
900462	V4-067 E	.11
901082	W1-024 E	.49
901102	W1-032 E	.37
901422	W1-113 E	.88
901482	W1-119 E	1.51
901492	W1-120 E	1.68
901522	W1-124 E	3.32
901552	W1-129 E	.41
902211	W2-019 C	.3
902212	W2-019 E	.49
902292	W2-030 E	.4
902452	W2-074 E	.26
902482	W2-078 E	1.1
902552	W2-088 E	1.92
903292	W3-025 E	.29
903311	W3-028 C	5.87
903312	W3-028 E	39.55
903381	W3-033	.5
903422	W3-045 E	.46
903492	W3-057 E	.64
903501	W3-058 C	.19
903502	W3-058 E	.31
903582	W3-078 E	1.29
903592	W3-079 E	1.82
903722	W3-120 E	1.39
903732	W3-124 E	.09
903902	W3-158 E	.65
903912	W3-159 E	1.02
905091	W4-009 OP1	401.97
905112	W4-011 E	1.94
905181	W4-021	318.04
905211	W4-025 C	.34
905212	W4-025 E	.58
905291	W4-038 OP1	-1.54

Bus Number	Bus Name	Full Contribution
905331	W4-045 C	.45
905332	W4-045 E	.74
905391	W4-063 C	.04
905392	W4-063 E	.28
905432	W4-072 E	2.15
905562	W4-103 E	.22
907082	X1-037 E	2.68
907162	X1-049 E	.44
907222	X1-066 E	.06
907241	X1-068	5.28
907351	X1-085 C	.26
907352	X1-085 E	.43
907381	X1-094 C	-.36
907472	X1-110 E	.1
909212	X2-059 E	.86
910531	X3-004	-2.25
910762	X3-052 E	-.19
910931	X3-085 C	-.18
912042	X4-005 E	33.27
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
912102	X4-015 E	.41
912182	X4-031 E	.52
913171	Y1-025 C OP1	401.97
913172	Y1-025 E OP1	33.27
913511	Y1-077	4.07
914271	Y2-078	3.61
914281	Y2-079	36.1

Table 44

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	1.96
219124	BURLNGT9	17.16
228251	CARLLS#4	.44
228000	CEDR#1CT	3.9
228001	CEDR#2CT	1.88
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.1
213508	CON10-11	.89
213514	CONOW1-2	.58

Bus Number	Bus Name	Full Contribution
213515	CONOW3-4	.66
213516	CONOW5-6	.58
213517	CONOW7	.33
213518	CONOW8-9	.89
228301	D/W 1 ST	7.27
228302	D/W 6 ST	7.46
213554	DALEVILLE	.02
231904	DC1 NUG	3.11
231905	DC2 NUG	3.11
213577	EDDYST20	.03
213585	EDDYSTN2	34.79
213587	EDDYSTN3	1.02
213589	EDDYSTN4	1.02
213590	EDY30-40	.09
231917	EM10	.05
231916	EM3	.23
231901	EM4	.47
231900	EM5	1.2
213962	FPL MH50	.14
231903	GEN4	8.84
231908	HR1	.34
231909	HR2	.34
231910	HR3	.34
231505	HR4	.5
232906	IR3	18.23
213685	KIMCLARK	.09
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.6
219134	MERCER 3	10.82
227807	MO AV B	1.8
214194	N WALES4	.18
219137	NAT PARK	2.
213888	PHLISCT1	.47
213889	PHLISCT2	.47
213890	PHLISCT3	.47
213893	PHLISST1	.65
228343	QUINTN#1	.19
295952	R-011	33.44
220915	RVRSDEG6	-8.86
291017	S-107 1CT	12.56
291019	S-107 1ST	25.13
291018	S-107 2CT	12.56

Bus Number	Bus Name	Full Contribution
213941	SCHYLABC	.25
213945	SCHYLKL1	17.82
218360	SEWAREN1	7.64
218361	SEWAREN2	8.7
218362	SEWAREN3	7.89
218363	SEWAREN4	9.17
218364	SEWAREN6	8.2
886231	T-144 C	1.05
886232	T-144 E	1.03
292512	T-146 C	6.27
292513	T-146 E	25.1
885600	T20SOLAR E	.21
292815	U1-056 C	4.11
292816	U1-056 E	27.49
292878	U1-089	.05
292966	U2-045 C	.23
292967	U2-045 E	1.57
293062	U2-076	.93
293093	U2-077	45.86
299906	U3-032 E	.97
291996	U4-036 E	.31
292063	V1-021 E	.03
292194	V1-030 CE	.2
292095	V1-030 E1	.1
292185	V1-030 E2	.29
292099	V1-030 E3	.09
292101	V1-030 E4	.08
292103	V1-030 E5	.2
292105	V1-030 E6	.09
292107	V1-030 E7	.06
292087	V1-030 E8	.07
292189	V1-030 EA	.36
292115	V1-030 EB	.34
292195	V1-030 EE	.33
297005	V2-003 C	.14
297006	V2-003 E	.22
297021	V2-009 E1	.12
297023	V2-009 E2	.25
297025	V2-009 E3	.31
297027	V2-009 E4	.19
297039	V2-013 E	.02
297076	V2-028 C	.24
297077	V2-028 E	.39

Bus Number	Bus Name	Full Contribution
297082	V2-035 C	.07
297083	V2-035 E	.11
297090	V2-041 E	.23
297104	V2-046 E	1.2
297106	V2-047 E	.12
293378	V3-024 E	.25
293414	V3-041	.02
292666	V3-058 E	.15
292668	V3-059 E	.15
292681	V3-069 E	.09
292683	V3-070 E	.37
904042	V4-005 E	.17
904082	V4-009 E	.57
900131	V4-022 C	.2
900132	V4-022 E	.32
904221	V4-023 C1	.63
904223	V4-023 C2	.07
904222	V4-023 E1	1.04
904224	V4-023 E2	.11
904231	V4-024 C1	.35
904233	V4-024 C2	.35
904232	V4-024 E1	.58
904234	V4-024 E2	.58
904241	V4-025 C1	.36
904243	V4-025 C2	.21
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904242	V4-025 E1	.59
904244	V4-025 E2	.34
904246	V4-025 E3	.09
904248	V4-025 E4	.14
904281	V4-029 C	.71
904282	V4-029 E	1.16
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904362	V4-037 E2	.58
904364	V4-037 E4	.58
904401	V4-041 C	.71
904402	V4-041 E	1.15
904411	V4-042 C1	.35
904413	V4-042 C2	.36
904412	V4-042 E1	.58
904414	V4-042 E2	.58

Bus Number	Bus Name	Full Contribution
900361	V4-045	25.26
LTF	V4-050	6.71
904532	V4-054 E	1.15
904611	V4-062 C	.11
904612	V4-062 E	.17
904631	V4-064 C	.8
904632	V4-064 E	1.3
900462	V4-067 E	.15
904682	V4-069 E	.14
904692	V4-070 E	.14
228700	VNLD 10	2.12
900801	W1-001	1.09
901001	W1-003 C	.8
901002	W1-003 E	1.3
901011	W1-004 C	.8
901012	W1-004 E	1.3
901021	W1-005 C	.8
901022	W1-005 E	1.3
901031	W1-006 C	.8
901032	W1-006 E	1.3
901041	W1-008 C	.8
901042	W1-008 E	1.3
901051	W1-021 C	.7
901052	W1-021 E	1.15
901061	W1-022 C	.7
901062	W1-022 E	1.15
901071	W1-023 C	.7
901072	W1-023 E	1.15
901082	W1-024 E	.2
901102	W1-032 E	.15
901141	W1-048 C	.18
901142	W1-048 E	.29
901191	W1-068 C	.71
901192	W1-068 E	1.16
901201	W1-070 C	.8
901202	W1-070 E	1.3
901241	W1-076 C	.28
901242	W1-076 E	.46
901272	W1-083 E	.28
901281	W1-085 C	.7
901282	W1-085 E	1.14
901291	W1-086 C	.7
901292	W1-086 E	1.14

Bus Number	Bus Name	Full Contribution
901301	W1-087 C	.7
901302	W1-087 E	1.14
901311	W1-088 C	.7
901312	W1-088 E	1.14
901321	W1-089 C	.63
901322	W1-089 E	1.03
901331	W1-090 C OPI	.63
901332	W1-090 E OPI	1.03
901391	W1-108	1.41
901422	W1-113 E	.39
901461	W1-117 C	.7
901462	W1-117 E	1.14
901471	W1-118 C	.7
901472	W1-118 E	1.14
901482	W1-119 E	.94
901492	W1-120 E	1.05
901502	W1-121 E	.42
901522	W1-124 E	.82
901552	W1-129 E	.26
901561	W1-130 C	.35
901562	W1-130 E	.57
901572	W1-132 E	.15
902211	W2-019 C	.19
902212	W2-019 E	.31
902251	W2-023	45.84
902262	W2-026 E	.15
902271	W2-028	.44
902281	W2-029	.41
902292	W2-030 E	.56
902301	W2-035 C	.56
902302	W2-035 E	.93
902312	W2-036 E	.04
902321	W2-039	5.8
902341	W2-047 C	.34
902342	W2-047 E	.56
902372	W2-050 E	.75
902382	W2-052 E	.03
902392	W2-056 E	.63
902412	W2-060 E	1.16
902422	W2-061 E	.14
902432	W2-071 E	.16
902452	W2-074 E	.08
902472	W2-076 E	.1

Bus Number	Bus Name	Full Contribution
902482	W2-078 E	.44
902542	W2-085 E	.46
902552	W2-088 E	.83
902562	W2-090 E	1.14
902621	W2-101 C	.71
902622	W2-101 E	1.16
902632	W2-102 E	.4
903222	W3-003 E	.74
903251	W3-009 C	.35
903252	W3-009 E	.57
903292	W3-025 E	.17
903302	W3-026 E	.29
903311	W3-028 C	3.82
903312	W3-028 E	25.72
903322	W3-029 E	.78
903341	W3-032A 1	15.87
903351	W3-032A 2	15.87
903381	W3-033	.67
903402	W3-041 E	.58
903422	W3-045 E	.15
903471	W3-048	4.57
903481	W3-054AC	1.29
903482	W3-054AE	8.65
903492	W3-057 E	1.13
903501	W3-058 C	.35
903502	W3-058 E	.56
903582	W3-078 E	.64
903592	W3-079 E	.7
903602	W3-080 E	1.16
903652	W3-101 E	.18
903722	W3-120 E	.88
903732	W3-124 E	.16
903891	W3-157 C	.06
903892	W3-157 E	.1
903902	W3-158 E	.41
903912	W3-159 E	.61
903921	W3-160 C	.4
903922	W3-160 E	.65
903951	W3-174	18.21
903961	W3-175	34.92
905091	W4-009 OP1	54.81
905112	W4-011 E	.75
905131	W4-015 C	13.14

Bus Number	Bus Name	Full Contribution
905141	W4-016	32.86
905161	W4-018 C	.35
905162	W4-018 E	.58
905181	W4-021	56.92
905211	W4-025 C	.22
905212	W4-025 E	.37
905221	W4-027 C	.28
905222	W4-027 E	.45
905232	W4-029 E	.17
905301	W4-040 C	.35
905302	W4-040 E	.56
905331	W4-045 C	.29
905332	W4-045 E	.47
905352	W4-053 E	.15
905362	W4-058 E	.03
905391	W4-063 C	.06
905392	W4-063 E	.39
905432	W4-072 E	.79
905452	W4-080 E	.91
905482	W4-085 E	.22
905512	W4-089 E	.18
905522	W4-090 E	.18
905562	W4-103 E	.4
231918	WEST 1	.06
907032	X1-021 E	.3
907052	X1-032 E	.42
907082	X1-037 E	.84
907132	X1-043 E	.18
907162	X1-049 E	.16
907202	X1-054 E	.58
907222	X1-066 E	.09
907241	X1-068	.76
907252	X1-070 E	.22
907262	X1-071 E	.07
907291	X1-074	29.3
907351	X1-085 C	.16
907352	X1-085 E	.25
907401	X1-096 C	2.04
907402	X1-096 E	13.67
907472	X1-110 E	.18
909032	X2-013 E	.19
909091	X2-027 C OP1	.07
909092	X2-027 E OP1	.12

Bus Number	Bus Name	Full Contribution
909101	X2-028 C OP1	.11
909102	X2-028 E OP1	.17
909122	X2-033 E	.15
909171	X2-050	35.74
909192	X2-054 E	.74
909212	X2-059 E	.51
909231	X2-066	32.27
909241	X2-067	31.74
909252	X2-075 E	.27
909281	X2-083	.01
909302	X2-087 E	.04
909312	X2-088 E	.12
909322	X2-089 E	.13
910531	X3-004	2.48
910562	X3-007 E	.17
910571	X3-008 C	.8
910572	X3-008 E	1.31
910591	X3-015 C	.78
910592	X3-015 E	1.28
910671	X3-040 C	.41
910672	X3-040 E	2.73
910681	X3-041 C	.59
910682	X3-041 E	.96
910692	X3-043 E	.68
910762	X3-052 E	.21
910821	X3-066 C	.25
910822	X3-066 E	.42
910841	X3-070	.22
910852	X3-071 E	.65
910862	X3-075 E	.29
910882	X3-077 E	.65
910902	X3-081 E	.05
912032	X4-004 E	.48
912042	X4-005 E	4.54
912101	X4-015 C	.16
912102	X4-015 E	.26
912111	X4-016	.71
912121	X4-017 C	.8
912122	X4-017 E	1.3
912171	X4-027-CT1	1.34
912172	X4-027-CT2	1.34
912173	X4-027-CT3	1.34
912182	X4-031 E	.16

Bus Number	Bus Name	Full Contribution
912191	X4-032 C	.36
912192	X4-032 E	.18
912232	X4-040 E	.21
912261	X4-044 C	.71
912262	X4-044 E	1.29
912271	X4-045 E	.05
913041	Y1-008 C	.68
913042	Y1-008 E	4.55
913141	Y1-022 C	3.09
913142	Y1-022 E	5.03
913171	Y1-025 C OP1	54.81
913172	Y1-025 E OP1	4.54
913181	Y1-026	11.65
913221	Y1-031 C OP1	.93
913222	Y1-031 E OP1	7.18
913361	Y1-057 C	.01
913362	Y1-057 E	.2
913401	Y1-065 C	66.04
913402	Y1-065 E	3.86
913502	Y1-075 E	.16
913511	Y1-077	6.62
913531	Y1-079 C OP1	.42
913532	Y1-079 E OP1	.68
913541	Y1-080 C	.13
913542	Y1-080 E	.22
914271	Y2-078	1.62
914281	Y2-079	16.22

Table 45

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.73
228001	CEDR#2CT	2.76
217078	ESSEX 12	-11.81
206679	M&M S721	-.56
227807	MO AV B	1.31
94130	O66_NONFIRM	22.66
206638	PEAPACK	-.28
290092	Q-041 E	-1.9
295952	R-011	229.89
292512	T-146 C	3.86

Bus Number	Bus Name	Full Contribution
292513	T-146 E	15.46
292815	U1-056 C	2.83
292816	U1-056 E	18.92
292966	U2-045 C	.17
292967	U2-045 E	1.14
292063	V1-021 E	.02
292078	V1-034	.19
297005	V2-003 C	.08
297006	V2-003 E	.14
297039	V2-013 E	.08
900462	V4-067 E	.11
901082	W1-024 E	.49
901102	W1-032 E	.37
901422	W1-113 E	.88
901482	W1-119 E	1.52
901492	W1-120 E	1.69
901522	W1-124 E	3.32
901552	W1-129 E	.41
902211	W2-019 C	.3
902212	W2-019 E	.49
902292	W2-030 E	.4
902452	W2-074 E	.26
902482	W2-078 E	1.1
902552	W2-088 E	1.92
903292	W3-025 E	.29
903311	W3-028 C	5.89
903312	W3-028 E	39.63
903381	W3-033	.5
903422	W3-045 E	.46
903492	W3-057 E	.64
903501	W3-058 C	.19
903502	W3-058 E	.31
903582	W3-078 E	1.29
903592	W3-079 E	1.82
903722	W3-120 E	1.39
903732	W3-124 E	.09
903902	W3-158 E	.65
903912	W3-159 E	1.02
905091	W4-009 OP1	402.93
905112	W4-011 E	1.95
905181	W4-021	318.78
905211	W4-025 C	.34
905212	W4-025 E	.58

Bus Number	Bus Name	Full Contribution
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905332	W4-045 E	.74
905391	W4-063 C	.04
905392	W4-063 E	.28
905432	W4-072 E	2.15
905562	W4-103 E	.23
907082	X1-037 E	2.69
907162	X1-049 E	.44
907222	X1-066 E	.06
907241	X1-068	5.29
907351	X1-085 C	.26
907352	X1-085 E	.43
907381	X1-094 C	-.36
907472	X1-110 E	.1
909212	X2-059 E	.86
910531	X3-004	-2.25
910762	X3-052 E	-.19
910931	X3-085 C	-1.18
912042	X4-005 E	33.35
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
912102	X4-015 E	.41
912182	X4-031 E	.52
913171	Y1-025 C OP1	402.93
913172	Y1-025 E OP1	33.35
913511	Y1-077	4.08
914271	Y2-078	3.62
914281	Y2-079	36.18

Table 46

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	1.96
219124	BURLNGT9	17.16
228251	CARLLS#4	.44
228000	CEDR#1CT	3.9
228001	CEDR#2CT	1.88
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.1
213508	CON10-11	.89

Bus Number	Bus Name	Full Contribution
213514	CONOW1-2	.58
213515	CONOW3-4	.66
213516	CONOW5-6	.58
213517	CONOW7	.33
213518	CONOW8-9	.89
228301	D/W 1 ST	7.27
228302	D/W 6 ST	7.46
213554	DALEVLE	.02
231904	DC1 NUG	3.11
231905	DC2 NUG	3.11
213577	EDDYST20	.03
213585	EDDYSTN2	34.79
213587	EDDYSTN3	1.02
213589	EDDYSTN4	1.02
213590	EDY30-40	.09
231917	EM10	.05
231916	EM3	.23
231901	EM4	.47
231900	EM5	1.2
213962	FPL MH50	.14
231903	GEN4	8.84
231908	HR1	.34
231909	HR2	.34
231910	HR3	.34
231505	HR4	.5
232906	IR3	18.23
213685	KIMCLARK	.09
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.6
219134	MERCER 3	10.82
227807	MO AV B	1.8
214194	N WALES4	.18
219137	NAT PARK	2.
213888	PHLISCT1	.47
213889	PHLISCT2	.47
213890	PHLISCT3	.47
213893	PHLISST1	.65
228343	QUINTN#1	.19
295952	R-011	33.44
220915	RVRSDEG6	-8.86
291017	S-107 1CT	12.56
291019	S-107 1ST	25.13

Bus Number	Bus Name	Full Contribution
291018	S-107 2CT	12.56
213941	SCHYLABC	.25
213945	SCHYLKL1	17.82
218360	SEWAREN1	7.64
218361	SEWAREN2	8.7
218362	SEWAREN3	7.89
218363	SEWAREN4	9.17
218364	SEWAREN6	8.2
886231	T-144 C	1.05
886232	T-144 E	1.03
292512	T-146 C	6.27
292513	T-146 E	25.1
885600	T20SOLAR E	.21
292815	U1-056 C	4.11
292816	U1-056 E	27.49
292878	U1-089	.05
292966	U2-045 C	.23
292967	U2-045 E	1.57
293062	U2-076	.93
293093	U2-077	45.86
299906	U3-032 E	.97
291996	U4-036 E	.31
292063	V1-021 E	.03
292194	V1-030 CE	.2
292095	V1-030 E1	.1
292185	V1-030 E2	.29
292099	V1-030 E3	.09
292101	V1-030 E4	.08
292103	V1-030 E5	.2
292105	V1-030 E6	.09
292107	V1-030 E7	.06
292087	V1-030 E8	.07
292189	V1-030 EA	.36
292115	V1-030 EB	.34
292195	V1-030 EE	.33
297005	V2-003 C	.14
297006	V2-003 E	.22
297021	V2-009 E1	.12
297023	V2-009 E2	.25
297025	V2-009 E3	.31
297027	V2-009 E4	.19
297039	V2-013 E	.02
297076	V2-028 C	.24

Bus Number	Bus Name	Full Contribution
297077	V2-028 E	.39
297082	V2-035 C	.07
297083	V2-035 E	.11
297090	V2-041 E	.23
297104	V2-046 E	1.2
297106	V2-047 E	.12
293378	V3-024 E	.25
293414	V3-041	.02
292666	V3-058 E	.15
292668	V3-059 E	.15
292681	V3-069 E	.09
292683	V3-070 E	.37
904042	V4-005 E	.17
904082	V4-009 E	.57
900131	V4-022 C	.2
900132	V4-022 E	.32
904221	V4-023 C1	.63
904223	V4-023 C2	.07
904222	V4-023 E1	1.04
904224	V4-023 E2	.11
904231	V4-024 C1	.35
904233	V4-024 C2	.35
904232	V4-024 E1	.58
904234	V4-024 E2	.58
904241	V4-025 C1	.36
904243	V4-025 C2	.21
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904242	V4-025 E1	.59
904244	V4-025 E2	.34
904246	V4-025 E3	.09
904248	V4-025 E4	.14
904281	V4-029 C	.71
904282	V4-029 E	1.16
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904362	V4-037 E2	.58
904364	V4-037 E4	.58
904401	V4-041 C	.71
904402	V4-041 E	1.15
904411	V4-042 C1	.35
904413	V4-042 C2	.36
904412	V4-042 E1	.58

Bus Number	Bus Name	Full Contribution
904414	V4-042 E2	.58
900361	V4-045	25.26
LTF	V4-050	6.71
904532	V4-054 E	1.15
904611	V4-062 C	.11
904612	V4-062 E	.17
904631	V4-064 C	.8
904632	V4-064 E	1.3
900462	V4-067 E	.15
904682	V4-069 E	.14
904692	V4-070 E	.14
228700	VNLD 10	2.12
900801	W1-001	1.09
901001	W1-003 C	.8
901002	W1-003 E	1.3
901011	W1-004 C	.8
901012	W1-004 E	1.3
901021	W1-005 C	.8
901022	W1-005 E	1.3
901031	W1-006 C	.8
901032	W1-006 E	1.3
901041	W1-008 C	.8
901042	W1-008 E	1.3
901051	W1-021 C	.7
901052	W1-021 E	1.15
901061	W1-022 C	.7
901062	W1-022 E	1.15
901071	W1-023 C	.7
901072	W1-023 E	1.15
901082	W1-024 E	.2
901102	W1-032 E	.15
901141	W1-048 C	.18
901142	W1-048 E	.29
901191	W1-068 C	.71
901192	W1-068 E	1.16
901201	W1-070 C	.8
901202	W1-070 E	1.3
901241	W1-076 C	.28
901242	W1-076 E	.46
901272	W1-083 E	.28
901281	W1-085 C	.7
901282	W1-085 E	1.14
901291	W1-086 C	.7

Bus Number	Bus Name	Full Contribution
901292	W1-086 E	1.14
901301	W1-087 C	.7
901302	W1-087 E	1.14
901311	W1-088 C	.7
901312	W1-088 E	1.14
901321	W1-089 C	.63
901322	W1-089 E	1.03
901331	W1-090 C OPI	.63
901332	W1-090 E OPI	1.03
901391	W1-108	1.41
901422	W1-113 E	.39
901461	W1-117 C	.7
901462	W1-117 E	1.14
901471	W1-118 C	.7
901472	W1-118 E	1.14
901482	W1-119 E	.94
901492	W1-120 E	1.05
901502	W1-121 E	.42
901522	W1-124 E	.82
901552	W1-129 E	.26
901561	W1-130 C	.35
901562	W1-130 E	.57
901572	W1-132 E	.15
902211	W2-019 C	.19
902212	W2-019 E	.31
902251	W2-023	45.84
902262	W2-026 E	.15
902271	W2-028	.44
902281	W2-029	.41
902292	W2-030 E	.56
902301	W2-035 C	.56
902302	W2-035 E	.93
902312	W2-036 E	.04
902321	W2-039	5.8
902341	W2-047 C	.34
902342	W2-047 E	.56
902372	W2-050 E	.75
902382	W2-052 E	.03
902392	W2-056 E	.63
902412	W2-060 E	1.16
902422	W2-061 E	.14
902432	W2-071 E	.16
902452	W2-074 E	.08

Bus Number	Bus Name	Full Contribution
902472	W2-076 E	.1
902482	W2-078 E	.44
902542	W2-085 E	.46
902552	W2-088 E	.83
902562	W2-090 E	1.14
902621	W2-101 C	.71
902622	W2-101 E	1.16
902632	W2-102 E	.4
903222	W3-003 E	.74
903251	W3-009 C	.35
903252	W3-009 E	.57
903292	W3-025 E	.17
903302	W3-026 E	.29
903311	W3-028 C	3.82
903312	W3-028 E	25.72
903322	W3-029 E	.78
903341	W3-032A 1	15.87
903351	W3-032A 2	15.87
903381	W3-033	.67
903402	W3-041 E	.58
903422	W3-045 E	.15
903471	W3-048	4.57
903481	W3-054AC	1.29
903482	W3-054AE	8.65
903492	W3-057 E	1.13
903501	W3-058 C	.35
903502	W3-058 E	.56
903582	W3-078 E	.64
903592	W3-079 E	.7
903602	W3-080 E	1.16
903652	W3-101 E	.18
903722	W3-120 E	.88
903732	W3-124 E	.16
903891	W3-157 C	.06
903892	W3-157 E	.1
903902	W3-158 E	.41
903912	W3-159 E	.61
903921	W3-160 C	.4
903922	W3-160 E	.65
903951	W3-174	18.21
903961	W3-175	34.92
905091	W4-009 OP1	54.81
905112	W4-011 E	.75

Bus Number	Bus Name	Full Contribution
905131	W4-015 C	13.14
905141	W4-016	32.86
905161	W4-018 C	.35
905162	W4-018 E	.58
905181	W4-021	56.92
905211	W4-025 C	.22
905212	W4-025 E	.37
905221	W4-027 C	.28
905222	W4-027 E	.45
905232	W4-029 E	.17
905301	W4-040 C	.35
905302	W4-040 E	.56
905331	W4-045 C	.29
905332	W4-045 E	.47
905352	W4-053 E	.15
905362	W4-058 E	.03
905391	W4-063 C	.06
905392	W4-063 E	.39
905432	W4-072 E	.79
905452	W4-080 E	.91
905482	W4-085 E	.22
905512	W4-089 E	.18
905522	W4-090 E	.18
905562	W4-103 E	.4
231918	WEST 1	.06
907032	X1-021 E	.3
907052	X1-032 E	.42
907082	X1-037 E	.84
907132	X1-043 E	.18
907162	X1-049 E	.16
907202	X1-054 E	.58
907222	X1-066 E	.09
907241	X1-068	.76
907252	X1-070 E	.22
907262	X1-071 E	.07
907291	X1-074	29.3
907351	X1-085 C	.16
907352	X1-085 E	.25
907401	X1-096 C	2.04
907402	X1-096 E	13.67
907472	X1-110 E	.18
909032	X2-013 E	.19
909091	X2-027 C OP1	.07

Bus Number	Bus Name	Full Contribution
909092	X2-027 E OP1	.12
909101	X2-028 C OP1	.11
909102	X2-028 E OP1	.17
909122	X2-033 E	.15
909171	X2-050	37.31
909192	X2-054 E	.74
909212	X2-059 E	.51
909231	X2-066	32.27
909241	X2-067	31.74
909252	X2-075 E	.27
909281	X2-083	.01
909302	X2-087 E	.04
909312	X2-088 E	.12
909322	X2-089 E	.13
910531	X3-004	2.48
910562	X3-007 E	.17
910571	X3-008 C	.8
910572	X3-008 E	1.31
910591	X3-015 C	.78
910592	X3-015 E	1.28
910671	X3-040 C	.41
910672	X3-040 E	2.73
910681	X3-041 C	.59
910682	X3-041 E	.96
910692	X3-043 E	.68
910762	X3-052 E	.21
910821	X3-066 C	.25
910822	X3-066 E	.42
910841	X3-070	.22
910852	X3-071 E	.65
910862	X3-075 E	.29
910882	X3-077 E	.65
910902	X3-081 E	.05
912032	X4-004 E	.48
912042	X4-005 E	4.54
912101	X4-015 C	.16
912102	X4-015 E	.26
912111	X4-016	.71
912121	X4-017 C	.8
912122	X4-017 E	1.3
912171	X4-027-CT1	1.34
912172	X4-027-CT2	1.34
912173	X4-027-CT3	1.34

Bus Number	Bus Name	Full Contribution
912182	X4-031 E	.16
912191	X4-032 C	.36
912192	X4-032 E	.18
912232	X4-040 E	.21
912261	X4-044 C	.71
912262	X4-044 E	1.29
912271	X4-045 E	.05
913041	Y1-008 C	.68
913042	Y1-008 E	4.55
913171	Y1-025 C OP1	54.81
913172	Y1-025 E OP1	4.54
913181	Y1-026	11.65
913221	Y1-031 C OP1	.93
913222	Y1-031 E OP1	7.18
913361	Y1-057 C	.01
913362	Y1-057 E	.2
913401	Y1-065 C	66.04
913402	Y1-065 E	3.86
913502	Y1-075 E	.16
913511	Y1-077	6.62
913531	Y1-079 C OP1	.42
913532	Y1-079 E OP1	.68
913541	Y1-080 C	.13
913542	Y1-080 E	.22
914271	Y2-078	1.62
914281	Y2-079	16.22

Table 47

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	1.96
219124	BURLNGT9	17.16
228251	CARLLS#4	.44
228000	CEDR#1CT	3.9
228001	CEDR#2CT	1.88
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.1
213508	CON10-11	.89
213514	CONOW1-2	.58
213515	CONOW3-4	.66
213516	CONOW5-6	.58

Bus Number	Bus Name	Full Contribution
213517	CONOW7	.33
213518	CONOW8-9	.89
228301	D/W 1 ST	7.27
228302	D/W 6 ST	7.46
213554	DALEVILLE	.02
231904	DC1 NUG	3.11
231905	DC2 NUG	3.11
213577	EDDYST20	.03
213585	EDDYSTN2	34.79
213587	EDDYSTN3	1.02
213589	EDDYSTN4	1.02
213590	EDY30-40	.09
231917	EM10	.05
231916	EM3	.23
231901	EM4	.47
231900	EM5	1.2
213962	FPL MH50	.14
231903	GEN4	8.84
231908	HR1	.34
231909	HR2	.34
231910	HR3	.34
231505	HR4	.5
232906	IR3	18.23
213685	KIMCLARK	.09
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.6
219134	MERCER 3	10.82
227807	MO AV B	1.8
214194	N WALES4	.18
219137	NAT PARK	2.
213888	PHLISCT1	.47
213889	PHLISCT2	.47
213890	PHLISCT3	.47
213893	PHLISST1	.65
228343	QUINTN#1	.19
295952	R-011	33.44
220915	RVRSDG6	-8.86
291017	S-107 1CT	12.56
291019	S-107 1ST	25.13
291018	S-107 2CT	12.56
213941	SCHYLABC	.25
213945	SCHYLK1	17.82

Bus Number	Bus Name	Full Contribution
218360	SEWAREN1	7.64
218361	SEWAREN2	8.7
218362	SEWAREN3	7.89
218363	SEWAREN4	9.17
218364	SEWAREN6	8.2
886231	T-144 C	1.05
886232	T-144 E	1.03
292512	T-146 C	6.27
292513	T-146 E	25.1
885600	T20SOLAR E	.21
292815	U1-056 C	4.11
292816	U1-056 E	27.49
292878	U1-089	.05
292966	U2-045 C	.23
292967	U2-045 E	1.57
293062	U2-076	.93
293093	U2-077	45.86
299906	U3-032 E	.97
291996	U4-036 E	.31
292063	V1-021 E	.03
292194	V1-030 CE	.2
292095	V1-030 E1	.1
292185	V1-030 E2	.29
292099	V1-030 E3	.09
292101	V1-030 E4	.08
292103	V1-030 E5	.2
292105	V1-030 E6	.09
292107	V1-030 E7	.06
292087	V1-030 E8	.07
292189	V1-030 EA	.36
292115	V1-030 EB	.34
292195	V1-030 EE	.33
297005	V2-003 C	.14
297006	V2-003 E	.22
297021	V2-009 E1	.12
297023	V2-009 E2	.25
297025	V2-009 E3	.31
297027	V2-009 E4	.19
297039	V2-013 E	.02
297076	V2-028 C	.24
297077	V2-028 E	.39
297082	V2-035 C	.07
297083	V2-035 E	.11

Bus Number	Bus Name	Full Contribution
297090	V2-041 E	.23
297104	V2-046 E	1.2
297106	V2-047 E	.12
293378	V3-024 E	.25
293414	V3-041	.02
292666	V3-058 E	.15
292668	V3-059 E	.15
292681	V3-069 E	.09
292683	V3-070 E	.37
904042	V4-005 E	.17
904082	V4-009 E	.57
900131	V4-022 C	.2
900132	V4-022 E	.32
904221	V4-023 C1	.63
904223	V4-023 C2	.07
904222	V4-023 E1	1.04
904224	V4-023 E2	.11
904231	V4-024 C1	.35
904233	V4-024 C2	.35
904232	V4-024 E1	.58
904234	V4-024 E2	.58
904241	V4-025 C1	.36
904243	V4-025 C2	.21
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904242	V4-025 E1	.59
904244	V4-025 E2	.34
904246	V4-025 E3	.09
904248	V4-025 E4	.14
904281	V4-029 C	.71
904282	V4-029 E	1.16
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904362	V4-037 E2	.58
904364	V4-037 E4	.58
904401	V4-041 C	.71
904402	V4-041 E	1.15
904411	V4-042 C1	.35
904413	V4-042 C2	.36
904412	V4-042 E1	.58
904414	V4-042 E2	.58
900361	V4-045	25.26
LTF	V4-050	6.71

Bus Number	Bus Name	Full Contribution
904532	V4-054 E	1.15
904611	V4-062 C	.11
904612	V4-062 E	.17
904631	V4-064 C	.8
904632	V4-064 E	1.3
900462	V4-067 E	.15
904682	V4-069 E	.14
904692	V4-070 E	.14
228700	VNLD 10	2.12
900801	W1-001	1.09
901001	W1-003 C	.8
901002	W1-003 E	1.3
901011	W1-004 C	.8
901012	W1-004 E	1.3
901021	W1-005 C	.8
901022	W1-005 E	1.3
901031	W1-006 C	.8
901032	W1-006 E	1.3
901041	W1-008 C	.8
901042	W1-008 E	1.3
901051	W1-021 C	.7
901052	W1-021 E	1.15
901061	W1-022 C	.7
901062	W1-022 E	1.15
901071	W1-023 C	.7
901072	W1-023 E	1.15
901082	W1-024 E	.2
901102	W1-032 E	.15
901141	W1-048 C	.18
901142	W1-048 E	.29
901191	W1-068 C	.71
901192	W1-068 E	1.16
901201	W1-070 C	.8
901202	W1-070 E	1.3
901241	W1-076 C	.28
901242	W1-076 E	.46
901272	W1-083 E	.28
901281	W1-085 C	.7
901282	W1-085 E	1.14
901291	W1-086 C	.7
901292	W1-086 E	1.14
901301	W1-087 C	.7
901302	W1-087 E	1.14

Bus Number	Bus Name	Full Contribution
901311	W1-088 C	.7
901312	W1-088 E	1.14
901321	W1-089 C	.63
901322	W1-089 E	1.03
901331	W1-090 C OPI	.63
901332	W1-090 E OPI	1.03
901391	W1-108	1.41
901422	W1-113 E	.39
901461	W1-117 C	.7
901462	W1-117 E	1.14
901471	W1-118 C	.7
901472	W1-118 E	1.14
901482	W1-119 E	.94
901492	W1-120 E	1.05
901502	W1-121 E	.42
901522	W1-124 E	.82
901552	W1-129 E	.26
901561	W1-130 C	.35
901562	W1-130 E	.57
901572	W1-132 E	.15
902211	W2-019 C	.19
902212	W2-019 E	.31
902251	W2-023	45.84
902262	W2-026 E	.15
902271	W2-028	.44
902281	W2-029	.41
902292	W2-030 E	.56
902301	W2-035 C	.56
902302	W2-035 E	.93
902312	W2-036 E	.04
902321	W2-039	5.8
902341	W2-047 C	.34
902342	W2-047 E	.56
902372	W2-050 E	.75
902382	W2-052 E	.03
902392	W2-056 E	.63
902412	W2-060 E	1.16
902422	W2-061 E	.14
902432	W2-071 E	.16
902452	W2-074 E	.08
902472	W2-076 E	.1
902482	W2-078 E	.44
902542	W2-085 E	.46

Bus Number	Bus Name	Full Contribution
902552	W2-088 E	.83
902562	W2-090 E	1.14
902621	W2-101 C	.71
902622	W2-101 E	1.16
902632	W2-102 E	.4
903222	W3-003 E	.74
903251	W3-009 C	.35
903252	W3-009 E	.57
903292	W3-025 E	.17
903302	W3-026 E	.29
903311	W3-028 C	3.82
903312	W3-028 E	25.72
903322	W3-029 E	.78
903341	W3-032A 1	15.87
903351	W3-032A 2	15.87
903381	W3-033	.67
903402	W3-041 E	.58
903422	W3-045 E	.15
903471	W3-048	4.57
903481	W3-054AC	1.29
903482	W3-054AE	8.65
903492	W3-057 E	1.13
903501	W3-058 C	.35
903502	W3-058 E	.56
903582	W3-078 E	.64
903592	W3-079 E	.7
903602	W3-080 E	1.16
903652	W3-101 E	.18
903722	W3-120 E	.88
903732	W3-124 E	.16
903891	W3-157 C	.06
903892	W3-157 E	.1
903902	W3-158 E	.41
903912	W3-159 E	.61
903921	W3-160 C	.4
903922	W3-160 E	.65
903951	W3-174	18.21
903961	W3-175	34.92
905091	W4-009 OP1	54.81
905112	W4-011 E	.75
905131	W4-015 C	13.14
905141	W4-016	32.86
905161	W4-018 C	.35

Bus Number	Bus Name	Full Contribution
905162	W4-018 E	.58
905181	W4-021	56.92
905211	W4-025 C	.22
905212	W4-025 E	.37
905221	W4-027 C	.28
905222	W4-027 E	.45
905232	W4-029 E	.17
905301	W4-040 C	.35
905302	W4-040 E	.56
905331	W4-045 C	.29
905332	W4-045 E	.47
905352	W4-053 E	.15
905362	W4-058 E	.03
905391	W4-063 C	.06
905392	W4-063 E	.39
905432	W4-072 E	.79
905452	W4-080 E	.91
905482	W4-085 E	.22
905512	W4-089 E	.18
905522	W4-090 E	.18
905562	W4-103 E	.4
231918	WEST 1	.06
907032	X1-021 E	.3
907052	X1-032 E	.42
907082	X1-037 E	.84
907132	X1-043 E	.18
907162	X1-049 E	.16
907202	X1-054 E	.58
907222	X1-066 E	.09
907241	X1-068	.76
907252	X1-070 E	.22
907262	X1-071 E	.07
907291	X1-074	29.3
907351	X1-085 C	.16
907352	X1-085 E	.25
907401	X1-096 C	2.04
907402	X1-096 E	13.67
907472	X1-110 E	.18
909032	X2-013 E	.19
909091	X2-027 C OP1	.07
909092	X2-027 E OP1	.12
909101	X2-028 C OP1	.11
909102	X2-028 E OP1	.17

Bus Number	Bus Name	Full Contribution
909122	X2-033 E	.15
909171	X2-050	37.31
909192	X2-054 E	.74
909212	X2-059 E	.51
909231	X2-066	32.27
909241	X2-067	31.74
909252	X2-075 E	.27
909281	X2-083	.01
909302	X2-087 E	.04
909312	X2-088 E	.12
909322	X2-089 E	.13
910531	X3-004	2.48
910562	X3-007 E	.17
910571	X3-008 C	.8
910572	X3-008 E	1.31
910591	X3-015 C	.78
910592	X3-015 E	1.28
910671	X3-040 C	.41
910672	X3-040 E	2.73
910681	X3-041 C	.59
910682	X3-041 E	.96
910692	X3-043 E	.68
910762	X3-052 E	.21
910821	X3-066 C	.25
910822	X3-066 E	.42
910841	X3-070	.22
910852	X3-071 E	.65
910862	X3-075 E	.29
910882	X3-077 E	.65
910902	X3-081 E	.05
912032	X4-004 E	.48
912042	X4-005 E	4.54
912101	X4-015 C	.16
912102	X4-015 E	.26
912111	X4-016	.71
912121	X4-017 C	.8
912122	X4-017 E	1.3
912171	X4-027-CT1	1.34
912172	X4-027-CT2	1.34
912173	X4-027-CT3	1.34
912182	X4-031 E	.16
912191	X4-032 C	.36
912192	X4-032 E	.18

Bus Number	Bus Name	Full Contribution
912232	X4-040 E	.21
912261	X4-044 C	.71
912262	X4-044 E	1.29
912271	X4-045 E	.05
913041	Y1-008 C	.68
913042	Y1-008 E	4.55
913171	Y1-025 C OP1	54.81
913172	Y1-025 E OP1	4.54
913181	Y1-026	11.65
913221	Y1-031 C OP1	.93
913222	Y1-031 E OP1	7.18
913361	Y1-057 C	.01
913362	Y1-057 E	.2
913401	Y1-065 C	66.04
913402	Y1-065 E	3.86
913502	Y1-075 E	.16
913511	Y1-077	6.62
913531	Y1-079 C OP1	.42
913532	Y1-079 E OP1	.68
913541	Y1-080 C	.13
913542	Y1-080 E	.22
914271	Y2-078	1.62
914281	Y2-079	16.22

Table 48

Bus Number	Bus Name	Full Contribution
219103	BURLNGT8	1.96
219124	BURLNGT9	17.16
228251	CARLLS#4	.44
228000	CEDR#1CT	3.9
228001	CEDR#2CT	1.88
231919	CHRIST1	.07
231920	CHRIST2	.07
213497	CHSTR7-9	.1
213508	CON10-11	.89
213514	CONOW1-2	.58
213515	CONOW3-4	.66
213516	CONOW5-6	.58
213517	CONOW7	.33
213518	CONOW8-9	.89
228301	D/W 1 ST	7.27

Bus Number	Bus Name	Full Contribution
228302	D/W 6 ST	7.46
213554	DALEVILLE	.02
231904	DC1 NUG	3.11
231905	DC2 NUG	3.11
213577	EDDYST20	.03
213585	EDDYSTN2	34.79
213587	EDDYSTN3	1.02
213589	EDDYSTN4	1.02
213590	EDY30-40	.09
231917	EM10	.05
231916	EM3	.23
231901	EM4	.47
231900	EM5	1.2
213962	FPL MH50	.14
231903	GEN4	8.84
231908	HR1	.34
231909	HR2	.34
231910	HR3	.34
231505	HR4	.5
232906	IR3	18.23
213685	KIMCLARK	.09
213738	LIBE_CT1	.43
213739	LIBE_CT2	.43
213740	LIBE_ST1	.6
219134	MERCER 3	10.82
227807	MO AV B	1.8
214194	N WALES4	.18
219137	NAT PARK	2.
213888	PHLISCT1	.47
213889	PHLISCT2	.47
213890	PHLISCT3	.47
213893	PHLISST1	.65
228343	QUINTN#1	.19
295952	R-011	33.44
220915	RVRSDEG6	-8.86
291017	S-107 1CT	12.56
291019	S-107 1ST	25.13
291018	S-107 2CT	12.56
213941	SCHYLABC	.25
213945	SCHYLKL1	17.82
218360	SEWAREN1	7.64
218361	SEWAREN2	8.7
218362	SEWAREN3	7.89

Bus Number	Bus Name	Full Contribution
218363	SEWAREN4	9.17
218364	SEWAREN6	8.2
886231	T-144 C	1.05
886232	T-144 E	1.03
292512	T-146 C	6.27
292513	T-146 E	25.1
885600	T20SOLAR E	.21
292815	U1-056 C	4.11
292816	U1-056 E	27.49
292878	U1-089	.05
292966	U2-045 C	.23
292967	U2-045 E	1.57
293062	U2-076	.93
293093	U2-077	45.86
299906	U3-032 E	.97
291996	U4-036 E	.31
292063	V1-021 E	.03
292194	V1-030 CE	.2
292095	V1-030 E1	.1
292185	V1-030 E2	.29
292099	V1-030 E3	.09
292101	V1-030 E4	.08
292103	V1-030 E5	.2
292105	V1-030 E6	.09
292107	V1-030 E7	.06
292087	V1-030 E8	.07
292189	V1-030 EA	.36
292115	V1-030 EB	.34
292195	V1-030 EE	.33
297005	V2-003 C	.14
297006	V2-003 E	.22
297021	V2-009 E1	.12
297023	V2-009 E2	.25
297025	V2-009 E3	.31
297027	V2-009 E4	.19
297039	V2-013 E	.02
297076	V2-028 C	.24
297077	V2-028 E	.39
297082	V2-035 C	.07
297083	V2-035 E	.11
297090	V2-041 E	.23
297104	V2-046 E	1.2
297106	V2-047 E	.12

Bus Number	Bus Name	Full Contribution
293378	V3-024 E	.25
293414	V3-041	.02
292666	V3-058 E	.15
292668	V3-059 E	.15
292681	V3-069 E	.09
292683	V3-070 E	.37
904042	V4-005 E	.17
904082	V4-009 E	.57
900131	V4-022 C	.2
900132	V4-022 E	.32
904221	V4-023 C1	.63
904223	V4-023 C2	.07
904222	V4-023 E1	1.04
904224	V4-023 E2	.11
904231	V4-024 C1	.35
904233	V4-024 C2	.35
904232	V4-024 E1	.58
904234	V4-024 E2	.58
904241	V4-025 C1	.36
904243	V4-025 C2	.21
904245	V4-025 C3	.06
904247	V4-025 C4	.08
904242	V4-025 E1	.59
904244	V4-025 E2	.34
904246	V4-025 E3	.09
904248	V4-025 E4	.14
904281	V4-029 C	.71
904282	V4-029 E	1.16
904361	V4-037 C1	.36
904363	V4-037 C3	.36
904362	V4-037 E2	.58
904364	V4-037 E4	.58
904401	V4-041 C	.71
904402	V4-041 E	1.15
904411	V4-042 C1	.35
904413	V4-042 C2	.36
904412	V4-042 E1	.58
904414	V4-042 E2	.58
900361	V4-045	25.26
LTF	V4-050	6.71
904532	V4-054 E	1.15
904611	V4-062 C	.11
904612	V4-062 E	.17

Bus Number	Bus Name	Full Contribution
904631	V4-064 C	.8
904632	V4-064 E	1.3
900462	V4-067 E	.15
904682	V4-069 E	.14
904692	V4-070 E	.14
228700	VNLD 10	2.12
900801	W1-001	1.09
901001	W1-003 C	.8
901002	W1-003 E	1.3
901011	W1-004 C	.8
901012	W1-004 E	1.3
901021	W1-005 C	.8
901022	W1-005 E	1.3
901031	W1-006 C	.8
901032	W1-006 E	1.3
901041	W1-008 C	.8
901042	W1-008 E	1.3
901051	W1-021 C	.7
901052	W1-021 E	1.15
901061	W1-022 C	.7
901062	W1-022 E	1.15
901071	W1-023 C	.7
901072	W1-023 E	1.15
901082	W1-024 E	.2
901102	W1-032 E	.15
901141	W1-048 C	.18
901142	W1-048 E	.29
901191	W1-068 C	.71
901192	W1-068 E	1.16
901201	W1-070 C	.8
901202	W1-070 E	1.3
901241	W1-076 C	.28
901242	W1-076 E	.46
901272	W1-083 E	.28
901281	W1-085 C	.7
901282	W1-085 E	1.14
901291	W1-086 C	.7
901292	W1-086 E	1.14
901301	W1-087 C	.7
901302	W1-087 E	1.14
901311	W1-088 C	.7
901312	W1-088 E	1.14
901321	W1-089 C	.63

Bus Number	Bus Name	Full Contribution
901322	W1-089 E	1.03
901331	W1-090 C OP1	.63
901332	W1-090 E OP1	1.03
901391	W1-108	1.41
901422	W1-113 E	.39
901461	W1-117 C	.7
901462	W1-117 E	1.14
901471	W1-118 C	.7
901472	W1-118 E	1.14
901482	W1-119 E	.94
901492	W1-120 E	1.05
901502	W1-121 E	.42
901522	W1-124 E	.82
901552	W1-129 E	.26
901561	W1-130 C	.35
901562	W1-130 E	.57
901572	W1-132 E	.15
902211	W2-019 C	.19
902212	W2-019 E	.31
902251	W2-023	45.84
902262	W2-026 E	.15
902271	W2-028	.44
902281	W2-029	.41
902292	W2-030 E	.56
902301	W2-035 C	.56
902302	W2-035 E	.93
902312	W2-036 E	.04
902321	W2-039	5.8
902341	W2-047 C	.34
902342	W2-047 E	.56
902372	W2-050 E	.75
902382	W2-052 E	.03
902392	W2-056 E	.63
902412	W2-060 E	1.16
902422	W2-061 E	.14
902432	W2-071 E	.16
902452	W2-074 E	.08
902472	W2-076 E	.1
902482	W2-078 E	.44
902542	W2-085 E	.46
902552	W2-088 E	.83
902562	W2-090 E	1.14
902621	W2-101 C	.71

Bus Number	Bus Name	Full Contribution
902622	W2-101 E	1.16
902632	W2-102 E	.4
903222	W3-003 E	.74
903251	W3-009 C	.35
903252	W3-009 E	.57
903292	W3-025 E	.17
903302	W3-026 E	.29
903311	W3-028 C	3.82
903312	W3-028 E	25.72
903322	W3-029 E	.78
903341	W3-032A 1	15.87
903351	W3-032A 2	15.87
903381	W3-033	.67
903402	W3-041 E	.58
903422	W3-045 E	.15
903471	W3-048	4.57
903481	W3-054AC	1.29
903482	W3-054AE	8.65
903492	W3-057 E	1.13
903501	W3-058 C	.35
903502	W3-058 E	.56
903582	W3-078 E	.64
903592	W3-079 E	.7
903602	W3-080 E	1.16
903652	W3-101 E	.18
903722	W3-120 E	.88
903732	W3-124 E	.16
903891	W3-157 C	.06
903892	W3-157 E	.1
903902	W3-158 E	.41
903912	W3-159 E	.61
903921	W3-160 C	.4
903922	W3-160 E	.65
903951	W3-174	18.21
903961	W3-175	34.92
905091	W4-009 OP1	54.81
905112	W4-011 E	.75
905131	W4-015 C	13.14
905141	W4-016	32.86
905161	W4-018 C	.35
905162	W4-018 E	.58
905181	W4-021	56.92
905211	W4-025 C	.22

Bus Number	Bus Name	Full Contribution
905212	W4-025 E	.37
905221	W4-027 C	.28
905222	W4-027 E	.45
905232	W4-029 E	.17
905301	W4-040 C	.35
905302	W4-040 E	.56
905331	W4-045 C	.29
905332	W4-045 E	.47
905352	W4-053 E	.15
905362	W4-058 E	.03
905391	W4-063 C	.06
905392	W4-063 E	.39
905432	W4-072 E	.79
905452	W4-080 E	.91
905482	W4-085 E	.22
905512	W4-089 E	.18
905522	W4-090 E	.18
905562	W4-103 E	.4
231918	WEST 1	.06
907032	X1-021 E	.3
907052	X1-032 E	.42
907082	X1-037 E	.84
907132	X1-043 E	.18
907162	X1-049 E	.16
907202	X1-054 E	.58
907222	X1-066 E	.09
907241	X1-068	.76
907252	X1-070 E	.22
907262	X1-071 E	.07
907291	X1-074	29.3
907351	X1-085 C	.16
907352	X1-085 E	.25
907401	X1-096 C	2.04
907402	X1-096 E	13.67
907472	X1-110 E	.18
909032	X2-013 E	.19
909091	X2-027 C OP1	.07
909092	X2-027 E OP1	.12
909101	X2-028 C OP1	.11
909102	X2-028 E OP1	.17
909122	X2-033 E	.15
909171	X2-050	37.31
909192	X2-054 E	.74

Bus Number	Bus Name	Full Contribution
909212	X2-059 E	.51
909231	X2-066	32.27
909241	X2-067	31.74
909252	X2-075 E	.27
909281	X2-083	.01
909302	X2-087 E	.04
909312	X2-088 E	.12
909322	X2-089 E	.13
910531	X3-004	2.48
910562	X3-007 E	.17
910571	X3-008 C	.8
910572	X3-008 E	1.31
910591	X3-015 C	.78
910592	X3-015 E	1.28
910671	X3-040 C	.41
910672	X3-040 E	2.73
910681	X3-041 C	.59
910682	X3-041 E	.96
910692	X3-043 E	.68
910762	X3-052 E	.21
910821	X3-066 C	.25
910822	X3-066 E	.42
910841	X3-070	.22
910852	X3-071 E	.65
910862	X3-075 E	.29
910882	X3-077 E	.65
910902	X3-081 E	.05
912032	X4-004 E	.48
912042	X4-005 E	4.54
912101	X4-015 C	.16
912102	X4-015 E	.26
912111	X4-016	.71
912121	X4-017 C	.8
912122	X4-017 E	1.3
912171	X4-027-CT1	1.34
912172	X4-027-CT2	1.34
912173	X4-027-CT3	1.34
912182	X4-031 E	.16
912191	X4-032 C	.36
912192	X4-032 E	.18
912232	X4-040 E	.21
912261	X4-044 C	.71
912262	X4-044 E	1.29

Bus Number	Bus Name	Full Contribution
912271	X4-045 E	.05
913041	Y1-008 C	.68
913042	Y1-008 E	4.55
913171	Y1-025 C OP1	54.81
913172	Y1-025 E OP1	4.54
913181	Y1-026	11.65
913221	Y1-031 C OP1	.93
913222	Y1-031 E OP1	7.18
913361	Y1-057 C	.01
913362	Y1-057 E	.2
913401	Y1-065 C	66.04
913402	Y1-065 E	3.86
913502	Y1-075 E	.16
913511	Y1-077	6.62
913531	Y1-079 C OP1	.42
913532	Y1-079 E OP1	.68
913541	Y1-080 C	.13
913542	Y1-080 E	.22
914271	Y2-078	1.62
914281	Y2-079	16.22

Table 49

Bus Number	Bus Name	Full Contribution
232905	BAYVIEW1	.11
219103	BURLNGT8	6.97
219124	BURLNGT9	61.04
228251	CARLLS#4	1.66
228000	CEDR#1CT	14.93
228001	CEDR#2CT	7.19
232926	CRISFLD1	.09
228301	D/W 1 ST	26.73
228302	D/W 6 ST	27.42
231904	DC1 NUG	10.65
231905	DC2 NUG	10.65
232900	DEMECSMY	.43
232851	DUP-SFR1	.09
232902	EASTMUNI	.61
213585	EDDYSTN2	103.53
232616	GEN FOOD	.14
231903	GEN4	30.27
231911	HR5	1.13

Bus Number	Bus Name	Full Contribution
231912	HR6	1.13
231913	HR7	1.13
231914	HR8	1.72
217081	HUDSON 1	67.89
232920	IR10	.15
232906	IR3	66.38
232904	IR4	3.88
217083	KEARNY11	37.47
217086	KRNY9&10	6.04
213792	MDYRN1-2	2.75
213793	MDYRN3-4	2.76
213794	MDYRN5-6	2.75
213795	MDYRN7-8	2.76
219134	MERCER 3	38.17
227807	MO AV B	6.79
232923	MR1	.15
232924	MR2	.15
232922	MR3	.92
219137	NAT PARK	7.04
232901	NORTHST	.35
232910	NRG_G1	.39
232911	NRG_G2	.39
293670	O-025 C	.05
232912	OH NUG1	.4
232913	OH NUG2	.4
232914	OH NUG3	.4
232915	OH NUG4	.4
232916	OH NUG5	.4
232917	OH NUG6	.4
232918	OH NUG7	.4
200192	P-004 1CT	1.35
200193	P-004 2CT	1.35
200194	P-004 3CT	1.35
200195	P-004 4ST	2.1
200034	PCHBTM 2	13.3
200035	PCHBTM 3	13.12
228343	QUINTN#1	.69
295952	R-011	133.01
200052	ROCKSP 1	1.74
200053	ROCKSP 2	1.74
200054	ROCKSP 3	1.77
200055	ROCKSP 4	1.77
291017	S-107 1CT	44.06

Bus Number	Bus Name	Full Contribution
291019	S-107 1ST	88.13
291018	S-107 2CT	44.06
213941	SCHYLABC	.76
213945	SCHYLKL1	54.8
218360	SEWAREN1	30.73
218361	SEWAREN2	34.93
218362	SEWAREN3	31.68
218363	SEWAREN4	36.77
218364	SEWAREN6	32.88
292089	T-011	.04
886231	T-144 C	3.8
292512	T-146 C	23.69
885600	T20SOLAR E	.73
232921	TASLEY2G	.29
292769	U1-010	.2
292815	U1-056 C	15.47
292966	U2-045 C	.88
293062	U2-076	3.3
293093	U2-077	185.02
297005	V2-003 C	.52
297076	V2-028 C	.86
297082	V2-035 C	.26
900131	V4-022 C	.72
904221	V4-023 C1	2.33
904223	V4-023 C2	.28
904231	V4-024 C1	1.31
904233	V4-024 C2	1.31
904241	V4-025 C1	1.3
904243	V4-025 C2	.79
904245	V4-025 C3	.21
904247	V4-025 C4	.31
904281	V4-029 C	2.61
904361	V4-037 C1	1.31
904363	V4-037 C3	1.31
904401	V4-041 C	2.6
904411	V4-042 C1	1.3
904413	V4-042 C2	1.3
900361	V4-045	150.31
LTF	V4-050	27.5
904611	V4-062 C	.39
904631	V4-064 C	2.89
232813	VAUGHN	.04
232919	VN10	.14

Bus Number	Bus Name	Full Contribution
232907	VN8	1.37
228700	VNLD 10	7.95
900801	W1-001	4.41
901001	W1-003 C	2.89
901011	W1-004 C	2.89
901021	W1-005 C	2.89
901031	W1-006 C	2.89
901041	W1-008 C	2.89
901051	W1-021 C	2.62
901061	W1-022 C	2.62
901071	W1-023 C	2.62
901141	W1-048 C	.65
901171	W1-062	.48
901191	W1-068 C	2.62
901201	W1-070 C	2.88
901241	W1-076 C	1.12
901281	W1-085 C	2.63
901291	W1-086 C	2.63
901301	W1-087 C	2.63
901311	W1-088 C	2.63
901321	W1-089 C	2.35
901331	W1-090 C OPI	2.33
901391	W1-108	4.29
901461	W1-117 C	2.63
901471	W1-118 C	2.63
901561	W1-130 C	1.3
902211	W2-019 C	.74
902251	W2-023	184.43
902271	W2-028	1.66
902281	W2-029	1.71
902301	W2-035 C	2.07
902321	W2-039	21.8
902341	W2-047 C	1.23
902621	W2-101 C	2.62
903251	W3-009 C	1.31
903311	W3-028 C	14.65
903341	W3-032A 1	58.93
903351	W3-032A 2	58.93
903381	W3-033	2.54
903391	W3-039 C	.75
903471	W3-048	18.52
903481	W3-054AC	4.69
903501	W3-058 C	1.31

Bus Number	Bus Name	Full Contribution
903891	W3-157 C	.22
903921	W3-160 C	1.44
903951	W3-174	66.97
903961	W3-175	128.4
905091	W4-009 OP1	218.39
905131	W4-015 C	46.1
905141	W4-016	115.24
905161	W4-018 C	1.3
905181	W4-021	225.36
905211	W4-025 C	.84
905221	W4-027 C	1.02
905291	W4-038 OP1	6.9
905301	W4-040 C	1.26
905331	W4-045 C	1.09
905391	W4-063 C	.22
907241	X1-068	3.02
907291	X1-074	111.54
907351	X1-085 C	.6
907401	X1-096 C	7.4
907411	X1-097	.24
909091	X2-027 C OP1	.26
909101	X2-028 C OP1	.39
909171	X2-050	189.81
909231	X2-066	117.38
909241	X2-067	117.87
910531	X3-004	10.07
910571	X3-008 C	2.88
910591	X3-015 C	2.81
910671	X3-040 C	1.48
910681	X3-041 C	2.17
910821	X3-066 C	.85
910841	X3-070	.75
910851	X3-071 C	.03
910881	X3-077 C	.03
912101	X4-015 C	.61
912111	X4-016	2.88
912121	X4-017 C	2.88
912141	X4-020	274.09
912151	X4-021	109.64
912171	X4-027-CT1	3.97
912172	X4-027-CT2	3.97
912173	X4-027-CT3	3.97
912191	X4-032 C	1.29

Bus Number	Bus Name	Full Contribution
912261	X4-044 C	2.88
913041	Y1-008 C	2.47
913171	Y1-025 C OP1	218.39
913181	Y1-026	47.01
913221	Y1-031 C OP1	3.79
913361	Y1-057 C	.03
913401	Y1-065 C	365.36
913511	Y1-077	24.99
913531	Y1-079 C OP1	1.42
913541	Y1-080 C	.49
914271	Y2-078	6.31
914281	Y2-079	63.1

Table 50

Bus Number	Bus Name	Full Contribution
232905	BAYVIEW1	.12
219103	BURLNGT8	7.29
219124	BURLNGT9	63.87
228251	CARLLS#4	1.77
228000	CEDR#1CT	15.37
228001	CEDR#2CT	7.4
232926	CRISFLD1	.1
228301	D/W 1 ST	28.43
228302	D/W 6 ST	29.16
231904	DC1 NUG	11.96
231905	DC2 NUG	11.96
232900	DEMECSMY	.49
232851	DUP-SFR1	.1
232902	EASTMUNI	.69
213585	EDDYSTN2	110.65
232616	GEN FOOD	.16
231903	GEN4	33.99
231911	HR5	1.27
231912	HR6	1.27
231913	HR7	1.27
231914	HR8	1.94
232920	IR10	.17
232906	IR3	74.73
232904	IR4	4.37
213792	MDYRN1-2	3.24
213793	MDYRN3-4	3.25

Bus Number	Bus Name	Full Contribution
213794	MDYRN5-6	3.24
213795	MDYRN7-8	3.25
219134	MERCER 3	39.8
227807	MO AV B	7.16
232923	MR1	.17
232924	MR2	.17
232922	MR3	1.04
219137	NAT PARK	7.41
232901	NORTHST	.4
232910	NRG_G1	.44
232911	NRG_G2	.44
293670	O-025 C	.06
232912	OH NUG1	.45
232913	OH NUG2	.45
232914	OH NUG3	.45
232915	OH NUG4	.45
232916	OH NUG5	.45
232917	OH NUG6	.45
232918	OH NUG7	.45
200192	P-004 1CT	1.62
200193	P-004 2CT	1.62
200194	P-004 3CT	1.62
200195	P-004 4ST	2.5
200034	PCHBTM 2	15.87
200035	PCHBTM 3	15.66
228343	QUINTN#1	.73
295952	R-011	129.83
200052	ROCKSP 1	2.06
200053	ROCKSP 2	2.06
200054	ROCKSP 3	2.09
200055	ROCKSP 4	2.09
291017	S-107 1CT	46.77
291019	S-107 1ST	93.54
291018	S-107 2CT	46.77
213941	SCHYLABC	.8
213945	SCHYLKL1	58.05
218360	SEWAREN1	29.55
218361	SEWAREN2	33.64
218362	SEWAREN3	30.51
218363	SEWAREN4	35.45
218364	SEWAREN6	31.71
292089	T-011	.05
886231	T-144 C	4.27

Bus Number	Bus Name	Full Contribution
292512	T-146 C	25.12
885600	T20SOLAR E	.76
232921	TASLEY2G	.33
292769	U1-010	.24
292815	U1-056 C	16.34
292966	U2-045 C	.93
293062	U2-076	3.44
293093	U2-077	177.26
297005	V2-003 C	.55
297076	V2-028 C	.97
297082	V2-035 C	.28
900131	V4-022 C	.81
904221	V4-023 C1	2.47
904223	V4-023 C2	.29
904231	V4-024 C1	1.39
904233	V4-024 C2	1.39
904241	V4-025 C1	1.38
904243	V4-025 C2	.84
904245	V4-025 C3	.22
904247	V4-025 C4	.33
904281	V4-029 C	2.78
904361	V4-037 C1	1.39
904363	V4-037 C3	1.39
904401	V4-041 C	2.77
904411	V4-042 C1	1.39
904413	V4-042 C2	1.38
900361	V4-045	179.38
LTF	V4-050	28.68
904611	V4-062 C	.42
904631	V4-064 C	3.25
232813	VAUGHN	.04
232919	VN10	.16
232907	VN8	1.54
228700	VNLD 10	8.48
900801	W1-001	4.22
901001	W1-003 C	3.25
901011	W1-004 C	3.25
901021	W1-005 C	3.25
901031	W1-006 C	3.25
901041	W1-008 C	3.25
901051	W1-021 C	2.8
901061	W1-022 C	2.8
901071	W1-023 C	2.8

Bus Number	Bus Name	Full Contribution
901141	W1-048 C	.7
901171	W1-062	.54
901191	W1-068 C	2.79
901201	W1-070 C	3.25
901241	W1-076 C	1.07
901281	W1-085 C	2.81
901291	W1-086 C	2.81
901301	W1-087 C	2.81
901311	W1-088 C	2.81
901321	W1-089 C	2.51
901331	W1-090 C OPI	2.48
901391	W1-108	4.55
901461	W1-117 C	2.8
901471	W1-118 C	2.8
901561	W1-130 C	1.38
902211	W2-019 C	.76
902251	W2-023	177.24
902271	W2-028	1.71
902281	W2-029	1.78
902301	W2-035 C	2.2
902321	W2-039	23.27
902341	W2-047 C	1.31
902621	W2-101 C	2.79
903251	W3-009 C	1.4
903311	W3-028 C	15.05
903341	W3-032A 1	66.36
903351	W3-032A 2	66.36
903381	W3-033	2.68
903471	W3-048	20.38
903481	W3-054AC	5.28
903501	W3-058 C	1.39
903891	W3-157 C	.24
903921	W3-160 C	1.63
903951	W3-174	71.62
903961	W3-175	137.33
905091	W4-009 OPI	212.65
905131	W4-015 C	48.93
905141	W4-016	122.32
905161	W4-018 C	1.39
905181	W4-021	221.42
905211	W4-025 C	.86
905221	W4-027 C	1.09
905301	W4-040 C	1.34

Bus Number	Bus Name	Full Contribution
905331	W4-045 C	1.11
905391	W4-063 C	.23
907241	X1-068	2.95
907291	X1-074	125.62
907351	X1-085 C	.61
907401	X1-096 C	8.33
907411	X1-097	.27
909091	X2-027 C OPI	.28
909101	X2-028 C OPI	.42
909231	X2-066	132.14
909241	X2-067	132.72
910571	X3-008 C	3.24
910591	X3-015 C	3.16
910671	X3-040 C	1.67
910681	X3-041 C	2.44
910821	X3-066 C	.96
910841	X3-070	.84
910851	X3-071 C	.04
910881	X3-077 C	.04
912101	X4-015 C	.63
912121	X4-017 C	3.25
912141	X4-020	425.92
912151	X4-021	170.37
912171	X4-027-CT1	4.31
912172	X4-027-CT2	4.31
912173	X4-027-CT3	4.31
912191	X4-032 C	1.31
913041	Y1-008 C	2.78
913171	Y1-025 C OPI	212.65
913181	Y1-026	45.05
913361	Y1-057 C	.03
913401	Y1-065 C	431.95
913511	Y1-077	26.5
913531	Y1-079 C OPI	1.6
913541	Y1-080 C	.55
914271	Y2-078	6.34
914281	Y2-079	63.43

Table 51

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35

Bus Number	Bus Name	Full Contribution
228000	CEDR#1CT	5.72
228001	CEDR#2CT	2.75
217078	ESSEX 12	-11.82
227807	MO AV B	1.31
94130	O66_NONFIRM	22.68
295952	R-011	229.34
206350	RRCT1&2	1.44
206351	RRCT3&4	1.49
292512	T-146 C	3.86
292815	U1-056 C	2.82
292966	U2-045 C	.17
292078	V1-034	.19
297005	V2-003 C	.08
902211	W2-019 C	.3
903311	W3-028 C	5.87
903381	W3-033	.5
903501	W3-058 C	.19
905091	W4-009 OP1	401.97
905181	W4-021	318.04
905211	W4-025 C	.34
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905391	W4-063 C	.04
907241	X1-068	5.28
907351	X1-085 C	.26
907381	X1-094 C	-.36
910531	X3-004	-2.25
910931	X3-085 C	-.18
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
913171	Y1-025 C OP1	401.97
913511	Y1-077	4.07
914271	Y2-078	3.61
914281	Y2-079	36.1

Table 52

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.72
228001	CEDR#2CT	2.75
217078	ESSEX 12	-11.82

Bus Number	Bus Name	Full Contribution
206679	M&M S721	-.56
227807	MO AV B	1.31
94130	O66_NONFIRM	22.68
206638	PEAPACK	-.28
290092	Q-041 E	-1.9
295952	R-011	229.34
292512	T-146 C	3.86
292513	T-146 E	15.43
292815	U1-056 C	2.82
292816	U1-056 E	18.88
292966	U2-045 C	.17
292967	U2-045 E	1.14
292063	V1-021 E	.02
292078	V1-034	.19
297005	V2-003 C	.08
297006	V2-003 E	.14
297039	V2-013 E	.08
900462	V4-067 E	.11
901082	W1-024 E	.49
901102	W1-032 E	.37
901422	W1-113 E	.88
901482	W1-119 E	1.51
901492	W1-120 E	1.68
901522	W1-124 E	3.32
901552	W1-129 E	.41
902211	W2-019 C	.3
902212	W2-019 E	.49
902292	W2-030 E	.4
902452	W2-074 E	.26
902482	W2-078 E	1.1
902552	W2-088 E	1.92
903292	W3-025 E	.29
903311	W3-028 C	5.87
903312	W3-028 E	39.55
903381	W3-033	.5
903422	W3-045 E	.46
903492	W3-057 E	.64
903501	W3-058 C	.19
903502	W3-058 E	.31
903582	W3-078 E	1.29
903592	W3-079 E	1.82
903722	W3-120 E	1.39
903732	W3-124 E	.09

Bus Number	Bus Name	Full Contribution
903902	W3-158 E	.65
903912	W3-159 E	1.02
905091	W4-009 OP1	401.97
905112	W4-011 E	1.94
905181	W4-021	318.04
905211	W4-025 C	.34
905212	W4-025 E	.58
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905332	W4-045 E	.74
905391	W4-063 C	.04
905392	W4-063 E	.28
905432	W4-072 E	2.15
905562	W4-103 E	.22
907082	X1-037 E	2.68
907162	X1-049 E	.44
907222	X1-066 E	.06
907241	X1-068	5.28
907351	X1-085 C	.26
907352	X1-085 E	.43
907381	X1-094 C	-.36
907472	X1-110 E	.1
909212	X2-059 E	.86
910531	X3-004	-2.25
910762	X3-052 E	-.19
910931	X3-085 C	-.18
912042	X4-005 E	33.27
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
912102	X4-015 E	.41
912182	X4-031 E	.52
913171	Y1-025 C OP1	401.97
913172	Y1-025 E OP1	33.27
913511	Y1-077	4.07
914271	Y2-078	3.61
914281	Y2-079	36.1

Table 53

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.73

Bus Number	Bus Name	Full Contribution
228001	CEDR#2CT	2.76
217078	ESSEX 12	-11.81
227807	MO AV B	1.31
94130	O66_NONFIRM	22.66
295952	R-011	229.89
206350	RRCT1&2	1.44
206351	RRCT3&4	1.5
292512	T-146 C	3.86
292815	U1-056 C	2.83
292966	U2-045 C	.17
292078	V1-034	.19
297005	V2-003 C	.08
902211	W2-019 C	.3
903311	W3-028 C	5.89
903381	W3-033	.5
903501	W3-058 C	.19
905091	W4-009 OP1	402.93
905181	W4-021	318.78
905211	W4-025 C	.34
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905391	W4-063 C	.04
907241	X1-068	5.29
907351	X1-085 C	.26
907381	X1-094 C	-.36
910531	X3-004	-2.25
910931	X3-085 C	-.18
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
913171	Y1-025 C OP1	402.93
913511	Y1-077	4.08
914271	Y2-078	3.62
914281	Y2-079	36.18

Table 54

Bus Number	Bus Name	Full Contribution
217006	BERGN26A	-1.35
228000	CEDR#1CT	5.73
228001	CEDR#2CT	2.76
217078	ESSEX 12	-11.81
206679	M&M S721	-.56

Bus Number	Bus Name	Full Contribution
227807	MO AV B	1.31
94130	O66_NONFIRM	22.66
206638	PEAPACK	-.28
290092	Q-041 E	-1.9
295952	R-011	229.89
292512	T-146 C	3.86
292513	T-146 E	15.46
292815	U1-056 C	2.83
292816	U1-056 E	18.92
292966	U2-045 C	.17
292967	U2-045 E	1.14
292063	V1-021 E	.02
292078	V1-034	.19
297005	V2-003 C	.08
297006	V2-003 E	.14
297039	V2-013 E	.08
900462	V4-067 E	.11
901082	W1-024 E	.49
901102	W1-032 E	.37
901422	W1-113 E	.88
901482	W1-119 E	1.52
901492	W1-120 E	1.69
901522	W1-124 E	3.32
901552	W1-129 E	.41
902211	W2-019 C	.3
902212	W2-019 E	.49
902292	W2-030 E	.4
902452	W2-074 E	.26
902482	W2-078 E	1.1
902552	W2-088 E	1.92
903292	W3-025 E	.29
903311	W3-028 C	5.89
903312	W3-028 E	39.63
903381	W3-033	.5
903422	W3-045 E	.46
903492	W3-057 E	.64
903501	W3-058 C	.19
903502	W3-058 E	.31
903582	W3-078 E	1.29
903592	W3-079 E	1.82
903722	W3-120 E	1.39
903732	W3-124 E	.09
903902	W3-158 E	.65

Bus Number	Bus Name	Full Contribution
903912	W3-159 E	1.02
905091	W4-009 OP1	402.93
905112	W4-011 E	1.95
905181	W4-021	318.78
905211	W4-025 C	.34
905212	W4-025 E	.58
905291	W4-038 OP1	-1.54
905331	W4-045 C	.45
905332	W4-045 E	.74
905391	W4-063 C	.04
905392	W4-063 E	.28
905432	W4-072 E	2.15
905562	W4-103 E	.23
907082	X1-037 E	2.69
907162	X1-049 E	.44
907222	X1-066 E	.06
907241	X1-068	5.29
907351	X1-085 C	.26
907352	X1-085 E	.43
907381	X1-094 C	-.36
907472	X1-110 E	.1
909212	X2-059 E	.86
910531	X3-004	-2.25
910762	X3-052 E	-.19
910931	X3-085 C	-.18
912042	X4-005 E	33.35
912091	X4-012 C OP1	-.13
912101	X4-015 C	.25
912102	X4-015 E	.41
912182	X4-031 E	.52
913171	Y1-025 C OP1	402.93
913172	Y1-025 E OP1	33.35
913511	Y1-077	4.08
914271	Y2-078	3.62
914281	Y2-079	36.18