

February 17, 2009

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Clerk
Rhode Island Public Utilities Commission and
Division of Public Utilities and Carriers
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket No. _____ - National Grid Gas FY2010 Final Accelerated Replacement Program Filing

Dear Ms. Massaro:

Enclosed for filing please find an original and nine (9) copies of National Grid's¹ final Accelerated Replacement Program ("ARP") proposal for the upcoming fiscal year beginning April 1, 2009 (i.e. FY 2010). As described in Attachment NG-SLF-1 of Susan L. Fleck's testimony in Docket No. 3943 ("Attachment NG-SLF-1"), after Commission and Division staff review of its draft implementation schedule, the Company is now filing a final copy of its proposed ARP implementation schedule for Commission approval.

At the February 6, 2009 technical session ("Technical Session") in this matter, the following questions and issues were raised relative to the Company's implementation schedule: (1) how the Company will measure the success of its program, (2) how the Company will update the Commission on program changes during the construction season, which may occur from time to time, and (3) what program costs were reflected on Table 1 of the Company's January 15, 2009 ARP filing.

Tracking Program Effectiveness

The Company proposes to track the effectiveness of its ARP in terms of reducing risk in the most efficient and cost effective manner as possible. As Mr. Kern explained at the technical session, the Company's goal is to reduce the relative risk associated with its aging infrastructure over time. There is, however, no one criteria or metric that the Company can use to measure program success. This is due to the fact that relative risk, program costs, and other key program elements change over time. Nevertheless, the Company has identified below several criteria that, when considered together as well as over time, should provide a reasonable picture of the effort and progress National Grid is making to reduce the relative risk associated with its aging bare steel and

¹ The Narragansett Electric Company d/b/a National Grid.

cast iron infrastructure. Based on guidance from the Commission as well as Commission Staff and Division staff, the Company proposes that it include a “scorecard” as part of its Annual ARP cost recovery filing, which would include data on the following program metrics:²

Program Targets:

- 1) Miles of plastic mains and number of plastic services installed during program year compared to baseline
- 2) Percent of plastic mains and number of plastic services relative to total mains and services compared to baseline
- 3) Miles of bare steel and cast iron mains abandoned
- 4) Number of bare steel and cast iron services abandoned

Safety Enhancements:

- 1) Number of repair clamps eliminated - steel compared to baseline
- 2) Number of breaks or leaking joints eliminated - cast iron compared to baseline
- 3) Leaks per mile/ Bare Steel/ Cast iron compared to baseline

Program Costs (Match Table 1 of 1/15 Filing):

- 1) Total Program Costs (loaded) by following categories:
 - Main Replacement Bare Steel
 - Main Replacement Small Diameter & High Risk Cast Iron
 - Service Replacements for Bare Steel Main Replacement
 - Service Replacement Program for Bare Steel High Pressure Inside Sets
- 2) Actual vs. estimated cost per mile of new plastic main installed
- 3) Actual vs. estimated cost per unit of new service installed

Program Changes During Construction Season

During the construction season, changes to the Company’s implementation schedule may occur from time to time as projects are reprioritized based on additional information. As explained on Page 2 of Attachment NG-SLF-1, by May 1, the Company will finalize actual projects and provide a copy of the final plans to the Safety Division for confirmation that it is consistent with the approval granted by the Commission. In addition, the Company proposes providing periodic updates (e.g., monthly or as needed, whichever period is longer) to the Division and Commission staff regarding any changes to the ARP schedule, including reasons for the change, prior to construction.

Program Costs

At the Commission’s February 6 technical session, there were questions related to the program costs reflected on Table 1 of the Company’s January 15, 2009 ARP filing (“Table 1”), and what information the Company will include in its Annual ARP cost recovery filing.

² The Company notes that the total number of leaks in a particular year may continue to rise during the early years of the ARP, as the remaining pipe is subject to further degradation. However, the Company fully expects that over time the ARP will result in a decrease in the leak rate. Therefore, leak rates in the early program years may not necessarily indicate program success or failure.

The program costs reflected on Table 1 of the Company's January 15, 2009 filing and included below are the total projected costs associated with the bare steel and small diameter cast iron main replacements as well as for the high pressure bare steel services. These costs include both the baseline and incremental ARP program costs.

The Company anticipates filing, as part of its annual reconciliation, a "variance report" to explain individual project cost over runs beyond a pre-determined threshold over estimated costs (e.g., 10%-15%). For example, if it turns out a job requires curb to curb resurfacing, which caused the project to run 17% over budget, because the original cost estimate was based on restoring just the trench, then National Grid will provide an explanation why it exceeded its budgeted costs (e.g., curb to curb paving was required in order to obtain the permit). National Grid also anticipates working further with all interested parties on additional information necessary for the Commission to evaluate future requests for ARP-related cost recoveries.

Further, National Grid will be closely coordinating its effort with the bare steel high pressure service replacements with other mandated inside inspection and meter exchange programs. As such, the Company will include a separate list of completed bare steel high pressure service replacement projects and associated costs as part of its Annual ARP cost recovery filing. National Grid expects that this upfront work will further the dialogue with the Commission and Division staff on how best to administer this important new program.

Lastly, the Company provides as part of Attachment 1 of this letter the current list of proposed projects, listed in order of prioritization, which the Company has preliminarily identified as the total number of main and non-high pressure service candidates for replacement during FY 2010. There have been no changes to the list provided in Attachment 1 of the Company's January 15, 2009 filing.

As shown in Column C of Table 1 below, the total targeted investment amounts for FY 2010 of \$26.7 Million are as follows:

- Estimated main replacement costs - \$13.8 Million;³
- Estimated non-high pressure service replacement costs - \$5.9 Million;⁴
- Estimated high pressure service replacement costs - \$6.9 Million;⁵

³ See Attachment 1, Column P for a breakdown of all main replacement-related projects, including both Main Replacement Bare Steel and Main Replacement Small Diameter Cast Iron projects. These figures correspond to the projected FY 2010 capital budget figures listed on Lines 7 and 8 of Attachment NG-SLF-2 (i.e., \$9,649,080 and \$3,958,416), respectively, and are included in Table 1, Column B for convenience.

⁴ See Attachment 1, Column Q for a breakdown of all non-high pressure service replacement-related work tied to all main replacement related projects. These figures correspond to the projected FY 2010 capital budget figure listed on Line 9 of Attachment NG-SLF-2 (i.e., \$6,131,616), and included in Table 1, Column B for convenience.

⁵ The Company's FY 2010 cost estimate for Service Replacement Program - Bare Steel H.P. Inside Sets is based on replacing a targeted 25% of the remaining 8,261 high pressure bare steel meter sets, or approximately 2,100 sets at \$3,250 / set.

TABLE 1

Line No.	A	B	C
		Docket No. 3943	01.15.09 Filing
		Attachment NG-SLF-2	Attachment 1
		FY 2010	FY 2010
	Proactive Integrity Programs		
1	Main Replacements Bare Steel	\$ 9,694,080	
2	Main Replacement Small Diameter & High Risk CI	\$ 3,958,416	
3	Sub Total (Line 1 + 2)	\$ 13,652,496	\$ 13,779,093
4	Service Replacements Associated With Main Replacement	\$ 6,131,616	\$ 5,889,713
5	Sub Total (Line 3 + 4)	\$ 19,784,112	\$ 19,668,806
6	Service Replacement Program - Bare Steel H.P. Inside Sets	\$ 6,906,250	\$ 6,906,250
7	Grand Total (Line 5 + 6)	\$ 26,690,362	\$ 26,575,056

Based on feedback from the February 6, 2009 technical session, National Grid will continue using the prioritization method it presented in order to develop its proposed project candidate list.

Thank you for your attention to this transmittal. If you have any questions, please call me at (401) 784-7667.

Very truly yours,

Thomas R. Teehan

Enclosures

cc: Leo Wold, Esq., Office of the Attorney General

**National Grid - Rhode Island - Gas
FY 2010
Accelerated Replacement Program
Main & Non-HP Service Replacement Candidates**

Items	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
	Project #	Paving	Category	Division	Municipality	Location / Street	Project Limits	Exst Diameter	Exst Material	YOI	System Pressure	Relay Diameter	Relay/Insert Footage	Abandon Footage	# of Services	Estimated Loaded Main Cost	Estimated Loaded Service Cost	Total Estimated Loaded Cost	AVG LCost / Foot	Prioritization Factor (Pr)
1	0398		AR	Providence	Providence	Manton Ave #928	Fruit Hill Ave	6	CI	1905	Low	6	55	55	0	\$6,737.50	\$2,887.50	\$9,625	\$175.00	1022
2	0249		AR	Providence	East Greenwich	Queen St. at Water St.	High St., south to #45 Water St.	2	BS	1944	High	2	460	460	4	\$48,300.00	\$20,700.00	\$69,000	\$150.00	850
3	0399		AR	Providence	Providence	Woodbine	Ivy St	4	CI	1899	Low	6	125	125	2	\$14,350.00	\$6,150.00	\$20,500	\$164.00	748
4	0252		AR	Providence	Warwick	Potowomut Rd.	At house #119 Potowomut Rd.	2	BS	1951	High	2	25	50	1	\$2,537.50	\$1,087.50	\$3,625	\$145.00	700
5	0400		AR	Providence	Providence	Larch	Ivy St	4	CI	1899	Low	6	105	105	2	\$12,054.00	\$5,166.00	\$17,220	\$164.00	568
6	0402		AR	Providence	Providence	Public St #380	Milk Street	6	CI	1875	Low	6	123	123	0	\$14,120.40	\$6,051.60	\$20,172	\$164.00	559
7	0238		AR	Providence	Coventry	Wood Cove Dr.	Between #74 and #76 Wood Cove Dr.	2	BS	1967	High	2	60	60	2	\$5,670.00	\$2,430.00	\$8,100	\$135.00	525
8	0289		AR	Providence	Warwick	West Natick Rd.	Bald Hill Rd. to Greenwich Ave.	6	BS	1964	High	6	2,000	2,000	8	\$229,600.00	\$98,400.00	\$328,000	\$164.00	525
9	0181		AR	Providence	Warwick	Post Rd., Pleasant St.	West Shore Rd. to Music Lane	2,3,6	BS	1928	High	4,6	3,800	3,800	18	\$436,240.00	\$186,960.00	\$623,200	\$164.00	431
10	0237		AR	Providence	Coventry	Pilgrim Ave., Dexter St.	Tioge Ave. to end of Dexter St.	2	BS	1961	High	2	1,400	1,400	10	\$132,300.00	\$56,700.00	\$189,000	\$135.00	405
11	0216		AR	Providence	Barrington	Metropolitan Park Dr.	Rogers Ave. to Harold St.	4	BS	1925	High	4	550	550	7	\$63,140.00	\$27,060.00	\$90,200	\$164.00	371
12	0269		AR	Providence	East Providence	Pavilion Ave.	Newman Ave. to Bishop Ave.	4	CI	1928	Low	6	500	500	9	\$47,250.00	\$20,250.00	\$67,500	\$135.00	320
13	0294		AR	Providence	East Greenwich	Union St., Marlborough St., Lincoln St.	Main St. to London St.	2	BS	1929	High	2	1,565	1,565	26	\$147,892.50	\$63,382.50	\$211,275	\$135.00	320
14	0331		AR	Providence	Warwick	Long St., Asylum Rd. Area	Bakers Creek Rd. to Keeley Ave.	2	BS	1951	High	2,4,6	5,380	5,380	73	\$564,900.00	\$242,100.00	\$807,000	\$150.00	297
15	0332		AR	Providence	Providence	Melissa St	Hartford Ave. to Barden	6	CI	1912	Low	6	135	135	3	\$15,498.00	\$6,642.00	\$22,140	\$164.00	291
16	0404		AR	Providence	Providence	Pleasant St #107	Western	4	CI	1876	Low	6	217	217	4	\$24,911.60	\$7,117.60	\$35,588	\$164.00	289
17	0477		AR	Cumberland	Pawtucket	Jackson St	Roosevelt to High	3	CI	1940	Low	6	365	365	5	\$41,902.00	\$17,958.00	\$59,860	\$164.00	285
18	0299		AR	Providence	Barrington	Markwood Dr.	Remainder of BS off County Rd.	2	BS	1926	High	2	755	755	6	\$79,275.00	\$33,975.00	\$113,250	\$150.00	283
19	0403		AR	Providence	Providence	Colonial Rd #18	Summit	4	CI	1923	Low	6	155	155	3	\$17,794.00	\$7,626.00	\$25,420	\$164.00	275
20	0048		AR	Providence	East Providence	Warren Ave.	Intersection of Fifth St.	4	CI	1883	Low	6	100	100	0	\$11,480.00	\$4,920.00	\$16,400	\$164.00	270
21	0355		AR	Providence	Johnston	Park and Bend		6	BS	1957	High	2	748	748	8	\$60,214.00	\$25,806.00	\$86,020	\$115.00	260
22	0461		AR	Providence	East Providence	Hatton	Boyd	2	BS	1965	High	2	475	475	6	\$38,237.50	\$16,387.50	\$54,625	\$115.00	253
23	0356		AR	Providence	Warwick	Sutton		2	BS	1950	High	2	286	286	5	\$29,029.00	\$12,441.00	\$41,470	\$145.00	252
24	0322		AR	Providence	Coventry	Lantern Lane	Tioge Ave. to end of main	2	BS	1960	High	2	575	575	8	\$60,375.00	\$25,875.00	\$86,250	\$150.00	250
25	0351		AR	Providence	Newport	Pine Street	Washington to Third	2	BS	1909	Low	6	545	545	6	\$62,566.00	\$26,814.00	\$89,380	\$164.00	250
26	0401		AR	Providence	Providence	Warrington	Melrose	4	CI	1917	Low	6	118	118	0	\$13,546.40	\$5,805.60	\$19,352	\$164.00	232
27	0446		AR	Providence	Warwick	Whitford		2	BS	1955	High	2	237	237	3	\$24,885.00	\$10,665.00	\$35,550	\$150.00	232
28	0325		AR	Providence	Coventry	Briar Point Ave.	Arnold Rd. to end of main	2	BS	1961	High	2	325	325	6	\$34,125.00	\$14,625.00	\$48,750	\$150.00	231
29	0224		AR	Providence	Coventry	Powhatan Ave., Beechwood St.	Osceola Ave. to end of main	2	BS	1967	High	2	660	660	6	\$69,300.00	\$29,700.00	\$99,000	\$150.00	227
30	0296		AR	Providence	Warwick	Namquid Dr., Spring Green Rd.	Algonquin Dr. to Lane 1	3	BS	1955	High	4	3,520	3,520	16	\$404,096.00	\$173,184.00	\$577,280	\$164.00	220
31	0337		AR	Providence	Warwick	Steele Street and Ardway	W. Shore to Ardway;Meridan, Ardway	2	BS	1929	High	2	1,419	1,419	23	\$148,995.00	\$63,855.00	\$212,850	\$150.00	220
32	0470		AR	Providence	Warwick	Landmark Rd	Red Chimney to #70	2	BS	1956	High	2	300	300	4	\$31,500.00	\$13,500.00	\$45,000	\$150.00	212
33	0336		AR	Providence	Providence	54 Smart Street	Milano and Job Intersection	4	CI	1945	Low	6	285	285	5	\$32,718.00	\$14,022.00	\$46,740	\$164.00	210
34	0371	X	PW	Providence	Newport	Park	Broadway to #16 Park	3	CI	1940	Low	6	378	378	9	\$43,394.40	\$18,597.60	\$61,992	\$164.00	209
35	0406		AR	Providence	Cranston	Manor Rd	Brookfield	2	BS	1966	High	2	572	572	9	\$46,046.00	\$19,734.00	\$65,780	\$115.00	206
36	0447		AR	Providence	East Providence	Legion Way	Willet to Becker	2	BS	1951	High	2	244	244	1	\$23,058.00	\$9,882.00	\$32,940	\$135.00	205
37	0375	X	PW	Providence	Newport	Brinley	Catherine to Fillmore	3	CI	1940	Low	4	267	267	4	\$30,651.60	\$13,136.40	\$43,788	\$164.00	204
38	0439		AR	Providence	Coventry	Nancy St	Carolyn to #7	2	BS	1963	High	0	-	448	1	\$8,400.00	\$3,600.00	\$12,000	\$26.00	201
39	0419		AR	Providence	Cranston	Harwich Rd	Budlong	6	CI	1957	Low	6	157	157	0	\$18,023.60	\$7,724.40	\$25,748	\$164.00	201
40	0329		AR	Providence	Warwick	Main Ave.	George Arden Ave. to Gorham Ave.	2,4	BS	1928	High	2,6	705	705	6	\$80,934.00	\$34,686.00	\$115,620	\$164.00	200
41	0103		AR	Providence	Providence	Clemence	Weybosset to near Westminster and at Washin	3	CI	1877	Low	4	245	245	6	\$34,300.00	\$14,700.00	\$49,000	\$200.00	199
42	0372	X	PW	Providence	Newport	Atlantic	Marchant to #38 Atlantic	3	CI	1934	Low	2	275	300	3	\$27,912.50	\$11,962.50	\$39,875	\$145.00	186
43	0440		AR	Providence	East Providence	Claire, Booth and Glen		2	BS	1924	High	2	1,637	1,907	44	\$154,696.50	\$66,298.50	\$220,995	\$135.00	185
44	0450		AR	Providence	Barrington	Sachem Rd.	Redwing	2	BS	1953	High	2	525	525	6	\$49,612.50	\$21,262.50	\$70,875	\$135.00	183
45	0502		AR	Providence	Providence	Wadworth Street		4	CI	1907	Low	6	492	492	11	\$56,481.60	\$24,206.40	\$80,688	\$164.00	171
46	0501		AR	Providence	Newport	Caswell St	Bliss to end	2	BS	1931	Low	6	795	795	11	\$91,266.00	\$39,114.00	\$130,380	\$164.00	170
47	0348		AR	Providence	East Providence	Metropolitan Park Dr.	Willet to Rogers	4	BS	1925	High	4	1,339	1,339	21	\$149,968.00	\$64,272.00	\$214,240	\$160.00	165
48	0453		AR	Providence	Coventry	Rathbun St	Read to Andrews	2	BS	1961	High	2	513	513	6	\$41,296.50	\$17,698.50	\$58,995	\$115.00	164

**National Grid - Rhode Island - Gas
FY 2010
Accelerated Replacement Program
Main & Non-HP Service Replacement Candidates**

Items	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
	Project #	Paving	Category	Division	Municipality	Location / Street	Project Limits	Exst Diameter	Exst Material	YOI	System Pressure	Relay Diameter	Relay/Insert Footage	Abandon Footage	# of Services	Estimated Loaded Main Cost	Estimated Loaded Service Cost	Total Estimated Loaded Cost	AVG LCost /Foot	Prioritization Factor (Pr)
49	0306		AR	Providence	Providence	Westminster St, Dean St, Lyman St	Service Rd #7 to #861 Westminster St	12, 4 & 3	CI	1897	Low	12 & 4	1,505	1,505	19	\$172,774.00	\$74,046.00	\$246,820	\$164.00	156
50	0408		AR	Providence	Barrington	Salisbury Rd	Washington Rd	2	BS	1941	High	2	906	906	13	\$85,617.00	\$36,693.00	\$122,310	\$135.00	153
51	0354		AR	Providence	Barrington	Allen Ave at Rodeo	Rodeo to end	2	BS	1925	High	2	230	230	8	\$21,735.00	\$9,315.00	\$31,050	\$135.00	152
52	0445		AR	Providence	Warwick	Oberlin and Tomahawk		2	BS	1964	High	2	961	961	9	\$77,360.50	\$33,154.50	\$110,515	\$115.00	152
53	0214		AR	Providence	Newport	Princeton, Union	Broadway to Almy St.	2	BS	1914	Low	4	1,200	1,200	14	\$155,400.00	\$66,600.00	\$222,000	\$185.00	150
54	0462		AR	Providence	Warwick	Central St., King, West and North	North to King	2	BS	1956	High	2	3,632	3,632	51	\$292,376.00	\$125,304.00	\$417,680	\$115.00	150
55	0327		AR	Providence	Providence	Randall St.	Charles St. to North Main @ Pettis	12,6	CI	1864	Low	4	1,420	2,000	3	\$163,016.00	\$69,864.00	\$232,880	\$164.00	145
56	0443		AR	Providence	East Providence	Promenade	Metropolitan Pk to #44 including Shepard	2	BS	1925	High	2	673	673	10	\$54,176.50	\$23,218.50	\$77,395	\$115.00	144
57	0441		AR	Providence	Barrington	Fairway & Manor	From Manor to Riverside	3	BS	1938	High	2	1,470	1,470	8	\$118,335.00	\$50,715.00	\$169,050	\$115.00	141
58	0353		AR	Providence	Warwick	Brewster, Edgill, Lakecrest		2	BS	1947	High	2	4,872	4,872	25	\$392,196.00	\$168,084.00	\$560,280	\$115.00	138
59	0420		AR	Providence	Coventry/W. War.	Gough Ave	West to end	2	BS	1968	High	2	1,050	1,050	12	\$84,525.00	\$36,225.00	\$120,750	\$115.00	138
60	0350		AR	Providence	Barrington	Sherbrook and Greenville		2	BS	1949	High	2	1,450	1,450	16	\$116,725.00	\$50,025.00	\$166,750	\$115.00	137
61	0499		AR	Providence	N. Kingstown	Post Rd	#6300 to #6400	8	BS	1940	High	8	1,000	1,000	6	\$126,000.00	\$54,000.00	\$180,000	\$180.00	135
62	0505		AR	Providence	Warwick	Grenore St	Narragansett to #1	4	CI	1939	Low	6	234	234	5	\$26,863.20	\$11,512.80	\$38,376	\$164.00	131
63	0360		AR	Providence	Warwick	Uphill, Homeland, Ormsby		2	BS	1949	High	2	2,345	2,345	46	\$221,602.50	\$94,972.50	\$316,575	\$135.00	126
64	0407		AR	Providence	Warwick	Roseland Ave	Post Rd	2	BS	1929	High	2	442	442	3	\$41,769.00	\$17,901.00	\$59,670	\$135.00	126
65	0391	X	AR	Providence	Cranston	Mayfield Ave.	Mayfield and Pontiac	2	BS	1959	High	2	2,267	2,267	21	\$214,231.50	\$91,813.50	\$306,045	\$135.00	124
66	0364		AR	Providence	Barrington	Broadview Dr. Ridgeland to Overlook		2	BS	1959	High	2	175	175	7	\$17,762.50	\$7,612.50	\$25,375	\$145.00	124
67	0465		AR	Providence	Barrington	Appian Way		2	BS	1925	High	2	750	750	15	\$60,375.00	\$25,875.00	\$86,250	\$115.00	123
68	0333		AR	Providence	Providence	Putnam St	Atwells Ave to Kossuth St	4	CI	1873	Low	6	1,190	1,190	34	\$136,612.00	\$58,548.00	\$195,160	\$164.00	122
69	0454	X	AR	Providence	Providence	10 th st and Highland	from N main to ninth	4	CI	1896	Low	6	260	845	21	\$29,848.00	\$12,792.00	\$42,640	\$164.00	121
70	0459		AR	Providence	Providence	Job St	#35 to #90	4	CI	1913	Low	6	595	595	6	\$68,306.00	\$29,274.00	\$97,580	\$164.00	121
71	0442		AR	Providence	Warwick	W Shore and Oakland Beach		6	BS	1929	High	8	3,167	3,167	21	\$363,571.60	\$155,816.40	\$519,388	\$164.00	120
72	0468		AR	Providence	Warren	Luther St	at Hope	3	CI	1940	intermediate	0	0	36	0	\$3,500.00	\$1,500.00	\$5,000	\$139.00	120
73	0431		AR	Providence	Cranston	West Blue Ridge	Short to W Hamden	2	BS	1959	High	2	931	931	7	\$74,945.50	\$32,119.50	\$107,065	\$115.00	118
74	0460		AR	Providence	Cranston	W Hamden Rd	Summit to Park Forest	2	BS	1959	High	2	726	726	10	\$58,443.00	\$25,047.00	\$83,490	\$115.00	117
75	0466		AR	Providence	Barrington	Winthrop Dr and Wildflower	Rumstick to Wildflower	2	BS	1958	High	2	1,870	1,870	21	\$150,535.00	\$64,515.00	\$215,050	\$115.00	116
76	0458	X	PW	Cumberland	North Smithfield	St Paul St	Sewer Contract Municipality	1.5,3,4	CI	1940	Low	2	2,250	3,000	31	\$225,000.00	\$84,375.00	\$281,250	\$125.00	115
77	0328		AR	Providence	Coventry	Valley Crest Rd.	Long Pond Rd. to end of main	2	BS	1964	High	2	1,400	1,400	8	\$112,700.00	\$48,300.00	\$161,000	\$115.00	115
78	0245		AR	Providence	Newport	Howard St, West Howard St	Spring St to the end of West Howard St	2,4	CI	1916	Low	4,6	800	800	19	\$91,840.00	\$39,360.00	\$131,200	\$164.00	114
79	0448		AR	Providence	Barrington	Nayatt Rd	#284 to Bluff	6	BS	1959	High	6	1,258	1,258	6	\$144,418.40	\$61,893.60	\$206,312	\$164.00	114
80	0357		AR	Providence	N. Kingstown	Esmond Cynthia and Eileen		2	BS	1965	High	2	3,450	3,450	30	\$277,725.00	\$119,025.00	\$396,750	\$115.00	111
81	0397		AR	Providence	Cranston	Curtis Street	Cranston St to Metropolitan	6	BS	1958	Low	6	719	719	0	\$82,541.20	\$35,374.80	\$117,916	\$164.00	111
82	0463		AR	Providence	East Providence	Elinora and Fenner		2	BS	1925	High	2	813	813	18	\$65,446.50	\$28,048.50	\$93,495	\$115.00	111
83	0464		AR	Providence	Warwick	Centennial & Greenwich t Weber		2	BS	1961	High	2	938	938	12	\$82,075.00	\$35,175.00	\$117,250	\$125.00	109
84	0449		AR	Providence	Barrington	Nayatt Rd	Watson to #206	6	BS	1941	High	6	1,673	1,673	9	\$192,060.40	\$82,311.60	\$274,372	\$164.00	106
85	0363		AR	Providence	Cranston	Broad St; #2139 to #2160		6	BS	1960	Low	6	-	197	1	\$7,000.00	\$3,000.00	\$10,000	\$50.00	100
86	0273	X	AR	Providence	Newport	Ayrault St., Everett St., Mann Ave. Area	Broadway to Catherine St.	2,3,4	CI	1900	Low	4,6	6,545	6,545	114	\$847,577.50	\$363,247.50	\$1,210,825	\$185.00	99
87	0382	X	PW	Providence	Newport	Elm	Washington to Second	4	BS	1954	Low	6	350	350	7	\$40,180.00	\$17,220.00	\$57,400	\$164.00	98
88	0349		AR	Providence	Barrington	Metropolitan Park Dr.	Harold to Bike Path	4+2	BS	1925	High	4+2	493	493	2	\$56,596.40	\$24,255.60	\$80,852	\$164.00	94
89	0347		AR	Providence	East Providence	Willett Ave	Rounds to #1061 Willett	6	BS	1917	High	6	4000	4000	6	\$490,000.00	\$210,000.00	\$700,000	\$175.00	94
90	0457	X	PW	Providence	Newport	Touro St	Washington Sq project	6	CI	1940	Low	6	300	300	8	\$34,440.00	\$14,760.00	\$49,200	\$164.00	90
91	0396	X	PW	Providence	Johnston	Atwood Ave	April St to Old Atwood Ave	8	BS	1959	High	8	2,200	2,200	7	\$284,900.00	\$122,100.00	\$407,000	\$185.00	90
92	0451		AR	Providence	West Warwick	West St	Including, West, Virginia and Bouchard	2	BS	1968	High	2	2,129	2,129	13	\$171,384.50	\$73,450.50	\$244,835	\$115.00	89
93	0361		AR	Providence	Providence	Bowen St		20	CI	1870	Low	20	200	200	0	\$28,000.00	\$12,000.00	\$40,000	\$200.00	89
94	0478		AR	Providence	Providence	Atwells Ave v@ Bradford		3	CI	1857	Low	6	-	35	0	\$3,500.00	\$1,500.00	\$5,000	#DIV/0!	89
95	0444		AR	Providence	Warwick	Halsey and Woodstock		2	BS	1946	High	2	1,611	1,611	28	\$152,239.50	\$65,245.50	\$217,485	\$135.00	87
96	0504	X	AR	Providence	Providence	5th St	Hope to Summit	6	CI	1911	Low	6	1,058	929	32	\$121,458.40	\$52,053.60	\$173,512	\$164.00	86
97	0394	X	PW	Providence	Warwick	Governor Francis Farm Ph 2	WS6 CPID #	2	BS	1945	High	2	13,768	13,768	125	\$1,204,700.00	\$516,300.00	\$1,721,000	\$125.00	85
98	0395	X	PW	Providence	Johnston	Atwood Ave	Old Atwood Ave to Rt 6	8	BS	1959	High	8	1,200	1,200	7	\$168,000.00	\$72,000.00	\$240,000	\$200.00	85
99	0304		AR	Providence	Newport	Houston Ave., Clinton St., Wellington Ave.,	Thames St. to W. Narragansett Ave.	4,8,12	CI	1954	intermediate	2	1,955	1,955	34	\$224,434.00	\$96,186.00	\$320,620	\$164.00	84
100	0338	X	AR	Providence	East Greenwich	Greene St./ Prospect/Somers		2	BS	1929	High	2	1,637	1,637	33	\$114,590.00	\$49,110.00	\$163,700	\$100.00	84
101	0378	X	PW	Providence	Newport	Collins	Broadway to Dr Marcus Wheatland	1.5	BS	1954	Low	6	260	260	3	\$29,848.00	\$12,792.00	\$42,640	\$164.00	81
102	0476		AR	Providence	Providence	Camden St		3	CI	1872	Low	6	595	595	15	\$68,306.00	\$29,274.00	\$97,580	\$164.00	78
103	0385	X	PW	Providence	Newport	Fillmore	Brinley to #1 Tomkins	1.5	BS	1906	Low	4	446	446	5	\$51,200.80	\$21,943.20	\$73,144	\$164.00	78
104	0334	X	PW	Providence	Middletown	Manitiomi	Town sewer program	4	CI	1907	intermediate	2	25	2166	8	\$24,500.00	\$10,500.00	\$35,000	\$1,400.00	76
105	0435		AR	Providence	Providence	Kenyon St	Abandonment - America to De Pasquale	4	CI	1885	Low	0	-	390	0	\$7,000.00	\$3,000.00	\$10,000	\$25.00	76
106	0380	X	PW	Providence	Newport	Brooks	Broadway to Ledyard	4	BS	1940	Low	6	694	694	13	\$79,671.20	\$34,144.80	\$113,816	\$164.00	75
107	0358		AR	Providence	Barrington	South, Foot, Bow and Church		2	BS	1931	High	2	3,790	3,790	28	\$397,950.00	\$170,550.00	\$568,500	\$150.00	71

National Grid - Rhode Island - Gas
FY 2010
Accelerated Replacement Program
Main & Non-HP Service Replacement Candidates

Items	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
	Project #	Paving	Category	Division	Municipality	Location / Street	Project Limits	Exst Diameter	Exst Material	YOI	System Pressure	Relay Diameter	Relay/Insert Footage	Abandon Footage	# of Services	Estimated Loaded Main Cost	Estimated Loaded Service Cost	Total Estimated Loaded Cost	AVG LCost /Foot	Prioritization Factor (Pr)	
108	0474		AR	Providence	Tiverton	Evans	Riverside to Sakonnet	3	BS	1940	High	6	1,100	1,100	6	\$126,280.00	\$54,120.00	\$180,400	\$164.00	70	
109	0384	X	PW	Providence	Newport	Brinley	Kay to Bowler	4	CI	1934	Low	4	240	240	2	\$27,552.00	\$11,808.00	\$39,360	\$164.00	67	
110	0084		AR	Providence	No. Providence	Smithfield Rd.	Lubec St. to #250 Smithfield Rd.	12	BS	1958	High	12	3,200	3,200	20	\$403,200.00	\$172,800.00	\$576,000	\$180.00	66	
111	0433		AR	Providence	Newport	Merton St.	Annadale to #56 Merton	1.25	BS	1945	Low	6	396	396	6	\$45,460.80	\$19,483.20	\$64,944	\$164.00	65	
112	0016		AR	Providence	Coventry	Darton St., Elton St., E. Shore Dr.	Southwest of Tioge Ave.	2	BS	1961	High	2	952	952	13	\$76,636.00	\$32,844.00	\$109,480	\$115.00	53	
113	0389		AR	Providence	Providence	Lincoln	Blackstone to Butler Hospital	3+6	CI	1877	Low	2	1,400	3,700	4	\$98,000.00	\$42,000.00	\$140,000	\$100.00	48	
114	0434		AR	Providence	Middletown	Memorial Dr	Abandonment - Cliff Ave to Wave	4	CI	1931	Low	0	-	4,233	2	\$10,500.00	\$4,500.00	\$15,000	\$4.00	21	
Total Footage and Dollars													134,678	146,564	1,503	\$13,779,093	\$5,889,713	\$19,668,806			
Miles													26	28							