

February 16, 2010

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE:	National Grid Gas' FY 2011 Final Accelerated Replacement Program Filing
	Docket No

Dear Ms. Massaro:

Enclosed for filing are ten (10) copies of National Grid's¹ Final Accelerated Replacement Program ("ARP") proposal for the upcoming fiscal year beginning April 1, 2010 (i.e., FY 2011). Consistent with the ARP schedule set out in Docket No. 3943, the Company is now filing its final ARP for Commission approval. The Company's draft ARP was filed on January 15, 2010.

On January 29, 2010, per the Commission-approved plan, the Company met with the Division and Commission staff in a technical session ("Technical Session") to review National Grid's draft FY 2011 ARP proposal. During the Technical Session, certain questions were raised regarding the Company's implementation of its FY 2010 ARP, and what impact that experience has on the Company's FY 2011 ARP proposal. As explained both during the Technical Session and as part of National Grid's January 2010 Monthly ARP filing, submitted on February 16, 2010, under separate cover, the Company is on target for exceeding its FY 2010 program targets in terms of both miles of main and number of services replaced at a cost less than originally forecasted. While competitive contract terms and efficient field practices are contributing factors to this positive scenario, the Company has undertaken an evaluation of ARP costs incurred to date to help determine future per unit charges and associated MRP and SRP program dollar impacts. National Grid expects that this analysis, and any resulting changes to the allocation of total program dollars among the different program elements will be communicated to the Commission and Division as part of its FY 2010 year-end report, which will be filed no later than May 17, 2010. The Company has also provided additional information in its January 2010 Monthly ARP report to address certain questions raised during the Technical Session.

In the meantime, the Company resubmits the same program expenditures and itemized project list originally submitted in its draft CY 2011 ARP filing. Accordingly, Attachment 1 contains an itemized list of 96 proposed projects, including a list of public works and other main replacement projects in order of prioritization. This list reflects those projects that the Company has preliminarily identified as the total number of bare steel and cast iron main and non-high

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

Luly E. Massaro, Commission Clerk FY 2011 ARP Filing February 16, 2010 Page 2 of 3

pressure service candidates for replacement during FY 2011. As shown on Table 1 below, the total targeted investment amounts for FY 2011 of \$26.8 Million are as follows:

- Estimated main replacement costs \$15.6 Million;²
- Estimated non-high pressure service replacement costs \$4.3 Million;³
- Estimated high pressure service replacement costs \$6.9 Million;⁴

	TABLE 1		
Line			
No.	A		В
		01	.15.10 Filing
		A	ttachment 1
	Proactive Integrity Programs		FY 2011
	Main Replacements Bare Steel/Small Diameter & High		
1	Risk CI	\$	15,555,598
2	Service Replacements for Bare-Steel Main Replacement	\$	4,335,275
3	Sub Total (Line 1 + 2)	\$	19,890,873
	Service Replacement Program - Bare Steel H.P. Inside		
4	Sets	\$	6,906,250
5	Grand Total (Line 3 + 4)	\$	26,797,123

The Company expects that the list of FY 2011 completed projects and resulting expenses will likely vary due to a number of contributing factors, including a possible adjustment to unit costs, a reallocation of total program dollars among the various ARP program elements, the inevitable change in mix of municipal projects completed, etc. Accordingly, for cost recovery purposes, National Grid's May 2011 reconciliation filing will include documentation supporting the Company's FY 2010 actual total and its incremental ARP costs.

The proposed ARP plan represents an ongoing commitment toward significantly reducing the number of leaks experienced by the Company on a year-to-year basis, which should produce safety, reliability, and environmental benefits

² See Attachment 1, Column O for a breakdown of all main replacement-related projects, including both Main Replacement Bare Steel and Main Replacement Small Diameter Cast Iron projects.

³ See Attachment 1, Column P for a breakdown of all non-high pressure service replacement-related work tied to all main replacement related projects.

⁴ The Company's FY 2011 cost estimate for the Service Replacement Program - Bare Steel H.P. Inside Sets is based on replacing 2,125 high pressure bare steel meter sets at \$3,250 / set.

Luly E. Massaro, Commission Clerk FY 2011 ARP Filing February 16, 2010 Page 3 of 3

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

H Tucken

Enclosures

cc: Leo Wold, Esq.

Steve Scialabba, RI Division of Public Utilities and Carriers

National Grid - Rhode Island Gas Accelerated Replacement Program Mains and Associated Service Replacement Proposed Fiscal Year 2011

	A	В	c	D	E	F	G	Н	I	J	K	L	M	N	o	P	Q	R	S
<u>Item #</u>	Project #	Division	Work Order	Municipality	Location / Street	Project Limits	Exist Diameter	Exist Material	<u>YOI</u>	System	Relay	Relay/ Insert	Abandon	# of Services	Estimated Loaded	Estimated Loaded	Total Estimated	AVG LCost /	Prioritization
			<u>Status</u>							Pressure	<u>Diameter</u>	<u>Footage</u>	<u>Footage</u>		Main Cost	Service Cost	Loaded Cost	Foot	Factor (Pr)
1	566	Providence	2010	Newport	Kay St & Hunter		4	CI	1920	Low	6	1614	1614	20	\$145,260.00	\$40,000.00	\$185,260.00	\$115	PW
2	568	Providence	2010	Newport	Vaughn St, Morton, Bateman	~	2	CI	1902	Low	6	2544	2544	23	\$228,960.00	\$46,000.00	\$274,960.00	\$108	PW
3	569	Providence	2010	Newport	Byrnes Ct/McAllister	Spring to Thames	1.25	BS	1909	Low	6	479	763	11	\$43,110.00	\$22,000.00	\$65,110.00	\$136	PW PW
5	570 571	Providence Providence	2010 2010	Newport	Dixon St Goodwin	Spring to Thames Thames to Kirwins 5th	2	CI BS	1932 1911	Intermediate Low	6	721 335	1182 335	18	\$64,890.00 \$30,150.00	\$36,000.00 \$18,000.00	\$100,890.00 \$48,150.00	\$140 \$144	PW PW
6	574	Providence	2010	Newport Bristol	Goulart St	State to Mt Hope	4	CI	Unknown	Low	6	992	992	11	\$99,200.00	\$22,000.00	\$121,200.00	\$122	PW
7	576	Providence	2010	Newport	Record St	Warner to Channing	1.5"	BS	1905	Low	2.	163	263	2.	\$14,670.00	\$4,000.00	\$18.670.00	\$115	PW
8	577	Providence	2010	Newport	Thames St	Farewell to Washington	6	CI	1908	Low	8	2472	2472	40	\$222,480.00	\$80,000.00	\$302,480.00	\$122	PW
9	578	Providence	2010	Newport	Old Fort	Carrol to Ruggles	4	CI	1920	low	2	4064	4064	18	\$365,760.00	\$36,000.00	\$401,760.00	\$99	PW
10	580	Providence	2010	Newport	Kingston, Pearl, Shiloh, Stewart		2,,4	CI	1908	Low	4,6	1596	1596	37	\$143,640.00	\$74,000.00	\$217,640.00	\$136	PW
11	582	Providence	2010	Newport	Church	Thames to Spring	4	CI	1940	Low	6	556	556	5	\$50,040.00	\$10,000.00	\$60,040.00	\$108	PW
12	585	Providence	2010	Johnston	Sentian Circle	Cherry Hil to #14 Sentian	2	BS	1960	High 35#	2	815	815	14	\$61,125.00	\$28,000.00	\$89,125.00	\$109	PW
13	587	Providence	2010	Johnston	Kern Acre Dr	Cherry Hill to Olivia	2	BS	1962	High 35#	2	878	878	12	\$65,850.00	\$24,000.00	\$89,850.00	\$102	PW
14	606	Providence	2010	Newport	Nicol and Dodge	Newport to Warner	1.5	BS	1912	Low	6	370	370	8	\$33,300.00	\$16,000.00	\$49,300.00	\$133	PW
15	607	Providence	2010	Newport	Lowndes and Middleton		2.5	BS	1953	Low	6	640	520	9	\$57,600.00	\$18,000.00	\$75,600.00	\$118	PW
16	617	Providence	2010	Warwick/E Green	Kent County Water		2	BS	1929	High 35#	2,4	6000	6000	45	\$570,000.00	\$90,000.00	\$660,000.00	\$110	PW
17	622	Providence	2010	Newport	West Narragansett		4	CI	1903	Low	6	612	722	6	\$55,080.00	\$12,000.00	\$67,080.00	\$110	PW
18	249	Providence	2010	East Greenwich	Queen St. at Water St.	High St., south to #45	2	BS	1944	High	2	460	460	4	\$39,100.00	\$8,000.00	\$47,100.00	\$102	850
	***	D	2010	D	*** ***	Water St.		CY.	1000			255	27.5	-	#20.125.00	\$14,000,00	A 42 125 00	0112	7.10
19	399	Providence	2010	Providence	Woodbine	Ivy St	4	CI	1899	Low	6	375	375 520	12	\$28,125.00	\$14,000.00	\$42,125.00	\$112	748
20	400	Providence	2010	Providence	Larch	Ivy St	4	CI	1899	Low	6	529	529	12	\$39,675.00	\$24,000.00	\$63,675.00	\$120	568
21	402	Providence	2010	Providence	Public St #380	Milk Street	6	CI	1875	Low	6	2,000	123	0	\$9,225.00 \$190,000.00	\$0.00	\$9,225.00 \$206.000.00	\$75 \$103	559 525
22	289	Providence	2010	Warwick	West Natick Rd.	Bald Hill Rd. to	6	BS	1964	High	6	2,000	2,000	8	\$190,000.00	\$16,000.00	\$206,000.00	\$103	525
23	599	Providence	2010	Coventry	Marion Ave	Greenwich Ave.	2	BS	1965	High 35#	2	162	162	1	\$14,580.00	\$2,000.00	\$16,580.00	\$102	389
24	325	Providence	2010	Coventry	Briar Point Ave.	Arnold Rd. to end of main	2	BS	1961	High	2	325	325	6	\$29,250.00	\$12,000.00	\$41,250.00	\$102	350
24	323	Trovidence	2010	Covenity	Briai Tome Ave.	7 Infold Rd. to cha of main	2	DS	1701	mgn	_	323	323	O	Ψ27,230.00	Ψ12,000.00	Ψ1,230.00	Ψ127	330
25	294	Providence	2010	East Greenwich	Union St., Marlborough St., Lincoln	Main St. to London St.	2	BS	1929	High	2	1,565	1,565	26	\$133,025.00	\$52,000.00	\$185,025.00	\$118	320
26	103	Providence	2010	Providence	Clemence	Weybosset to near	3	CI	1877	Low	6	336	245	6	\$28,560.00	\$12,000.00	\$40,560.00	\$121	315
						Westminster and at									. ,	, ,	. ,		1
						Washington													1
27	224	Providence	2010	Coventry	Powhatan Ave., Beechwood St.	Osceola Ave. to end of	2	BS	1967	High	2	660	660	6	\$59,400.00	\$12,000.00	\$71,400.00	\$108	298
						main													
28	331	Providence	2010	Warwick	Long St., Asylum Rd. Area	Bakers Creek Rd. to	2	BS	1951	High	2,4,6	5,380	5,380	73	\$538,000.00	\$146,000.00	\$684,000.00	\$127	297
						Keeley Ave.													
29	542	Providence	2010	East Providence	Grosvenor and N County		6	BS	1957	Low	6	748	748	8	\$48,620.00	\$16,000.00	\$64,620.00	\$86	293
30	332	Providence	2010	Providence	Melissa St	Hartford Ave. to Barden	6	CI	1912	Low	6	135	135	3	\$11,475.00	\$6,000.00	\$17,475.00	\$129	291
31	404	Providence	2010	Providence	Pleasant St #107	Western	4	CI	1876	Low	6	217	217	4	\$16,275.00	\$8,000.00	\$24,275.00	\$112	289
32	627	Providence	2010	East Providence	Pine Crest Dr	Commit to Commit	2	BS	1947	High 25#	2	361	361	7	\$23,465.00	\$14,000.00	\$37,465.00	\$104	284
33	403	Providence	2010 2010	Providence	Colonial Rd	Summit to Camp	4	CI	1923	Low High 60#	6	772	772 708	16	\$57,900.00	\$32,000.00	\$89,900.00	\$116 \$65	275 265
34 35	628 616	Cumberland	2010	Cumberland	James McKey Way and Bill	Martins St	2	BS BS	1925 1938	High 60#	2	708 1540	1530	0 16	\$46,020.00 \$115,500.00	\$0.00 \$32,000.00	\$46,020.00 \$147,500.00	\$65 \$96	260
		Providence		Warwick	Gorton Lake & Birchglen Winter Damon		2			High 35# high 35#	2	-		46				\$96 \$132	
36	557 322	Providence Providence	2010 2010	Warwick Coventry	Winter, Damon, Lantern Lane	Tioge Ave. to end of main	2	BS BS	1937 1960	High	2	2877 575	2877 575	8	\$287,700.00 \$51,750.00		\$379,700.00 \$67,750.00	\$132	253 250
31	344	1 TOVIDENCE	2010	Covenity	Lantein Lane	rioge Ave. to the or main		ъз	1700	ingii		313	313	U	φ31,730.00	φ10,000.00	ψυ1,130.00	ψ110	250
38	466	Providence	2010	Warwick	Whitford		2	BS	1955	High	2	237	237	3	\$17,775.00	\$6,000.00	\$23,775.00	\$100	232
39	529	Providence	2010	Warwick	Ogden, Ridge, burnett		2	BS	1949	High 35#	2	1,161	1,161	20	\$87,075.00		\$127,075.00	\$109	225
40	603	Providence	2010	West Warwick	Brayton St	Pike	2	BS	1964	High 35#	2	317	317	2	\$23,775.00		\$27,775.00	\$88	221
41	597	Providence	2010	Coventry	Holden St		2	BS	1964	High 35#	2	697	697	2	\$62,730.00	\$4,000.00	\$66,730.00	\$96	215
42	601	Providence	2010	Newport	County St	Broadway to Union	2	BS	1911	Low	6	483	483	3	\$43,470.00	\$6,000.00	\$49,470.00	\$102	214
43	329	Providence	2010	Warwick	Main Ave.	George Arden Ave. to	2,4	BS	1928	High	2,6	705	705	6	\$59,925.00	\$12,000.00	\$71,925.00	\$102	200
						Gorham Ave.													
44	459	Providence	2010	Providence	Job St	Ledge to Milan	4	CI	1913	Low	6	2,702	2,781	67	\$229,670.00		\$363,670.00	\$135	197
45	539	Providence	2010		Maplewood , Barnsdale area		2	BS	1948	Intermediate	2	1813	1813	21	\$117,845.00	\$42,000.00	\$159,845.00	\$88	189
46	440	Providence	2010	East Providence	Claire, Booth and Glen		2	BS	1924	High	2	1,637	1,907	44	\$106,405.00	\$88,000.00	\$194,405.00	\$119	185

National Grid - Rhode Island Gas Accelerated Replacement Program Mains and Associated Service Replacement Proposed Fiscal Year 2011

	A	В	C	D	E	F	G	Н	I	J	K	L	M	N	o	P	Q	R	s
Item #	Project #	Division	Work Order	Municipality	Location / Street	Project Limits	Exist Diameter	Exist Material	YOI	System	Relay	Relay/ Insert	<u>Abandon</u>	# of Services	Estimated Loaded	Estimated Loaded	Total Estimated	AVG LCost /	Prioritization
			Status							Pressure	<u>Diameter</u>	<u>Footage</u>	<u>Footage</u>		Main Cost	Service Cost	Loaded Cost	Foot	Factor (Pr)
47	524	Providence	2010	Warwick	Airway, etc	Airway, Pell, Vanderbuilt area	2	BS	1949	High	2	6,532	6,532	84	\$489,900.00	\$168,000.00	\$657,900.00	\$101	185
48	612	Providence	2010	Newport	Bedlow Pl	Bedlow Ave to #11 Bedlow	3	BS	1927	Low	6	361	361	5	\$32,490.00	\$10,000.00	\$42,490.00	\$118	184
49	237	Providence	2010	Coventry	Pilgrim Ave., Dexter St.	Tioge Ave. to end of Dexter St.	2	BS	1961	High	2	1,400	1,400	13	\$126,000.00	\$26,000.00	\$152,000.00	\$109	171
50	16	Providence	2010	Coventry	Darton St., Elton St., E. Shore Dr.	Southwest of Tioge Ave.	2	BS	1961	High	2	952	952	13	\$85,680.00	\$26,000.00	\$111,680.00	\$117	170
51	586	Providence	2010	Johnston	Capri Dr	Cherry Hill to #10 Capri	2	BS	1959	High 35#	2	300	300	1	\$22,500.00	\$2,000.00	\$24,500.00	\$82	167
52	453	Providence	2010	Coventry	Rathbun St	Read to Andrews	2	BS	1961	High	2	513	513	6	\$46,170.00	\$12,000.00	\$58,170.00	\$113	164
53	559	Providence	2010	Warwick	Loring Ave and Hume		2	BS	1948	High 35#	2	510	510	6	\$51,000.00	\$12,000.00	\$63,000.00	\$124	159
54	242	Providence	2010	Coventry	Willow & Read	WW line to 95 Read	2	BS	1966	High	2	475	475	5	\$42,750.00	\$10,000.00	\$52,750.00	\$111	156
55	618	Cumberland	2010	Woonsocket	Orchard St area		4	CI	1927	Low	2	1684	1684	26	\$126,300.00	\$52,000.00	\$178,300.00	\$106	155
56	0514	Providence	2010	Newport	Anthony, Pope & West		2	BS	1920	Low	6	1,114	1,114	17	\$100,260.00	\$1,275.00	\$101,535.00	\$91	154
57	589	Providence	2010	Warwick	Post Rd	Roseland to Rosewood	6,2	BS	1928	High 35#	8,6,4,2	10913	12493	104	\$1,582,385.00	\$208,000.00	\$1,790,385.00	\$164	152
58	614	Providence	2010	Cranston	Saverio and Libera		2,6	BS	1957	High 99#	2,4	1350	1537	15	\$87,750.00	\$30,000.00	\$117.750.00	\$87	152
59	537	Providence	2010	East Providence	Becker	Legion to #126 Becker	2	BS	1955	High 25#	2	821	821	6	\$53,365.00	\$12,000.00	\$65,365.00	\$80	150
60	567	Providence	2010	Johnston	Atwood Ave	Alcar	8,2	BS	1959	High 35#	8	2337	2337	18	\$233,700.00	\$36,000.00	\$269,700.00	\$115	149
61	327	Providence	2010	Providence	Randall St.	Charles St. to North Main @ Pettis	12,6	CI	1864	Low	4	729	2206	4	\$32,805.00	\$8,000.00	\$40,805.00	\$56	145
62	615	Providence	2010	Coventry	Arnold, Holmes, Harrington	C I otto	2	BS	1960	High 35#	2,4	1100	1100	13	\$99,000.00	\$26,000.00	\$125,000.00	\$114	143
63	343	Providence	2011	Warwick	Brentwood, Inman, Everglade		2	BS	1949	High 35#	2,1	2400	2400	19	\$240,000.00	\$38,000.00	\$278,000.00	\$116	142
64	610	Providence	2010	Cranston	Freehold Ave		2	BS	1966	High 35#	2	905	905	13	\$58.825.00	\$26,000.00	\$84.825.00	\$94	142
65	596	Providence	2010		Read, Alice and Ann		2,4	BS	1961	High 35#	2,4	1551	1551	12	\$139,590.00	\$24,000.00	\$163,590.00	\$105	140
66	548	Providence	2010	Coventry	Bowden Ave		2,4	BS	1947	High 25#	2,4	2679	2625	31	\$227,715.00	\$62,000.00	\$289,715.00	\$103	136
67	534			Barrington			2			U	2				\$232,570.00	\$130,000.00	\$362.570.00	\$108	
		Providence	2010	East Providence	Wannisett, Planet And Vinter area	0 1 11 0 11		BS	1928	High 25#		3,578	3,578	65	, , ,, , , , , , , , , , , , , , , , , ,	1 /	1 ,		135
68	519	Providence	2010	Newport	Ruggles and McCormick	Coggshall to Carroll	3,4	CI	1939	Low	6	3024	3024	31	\$272,160.00	\$62,000.00	\$334,160.00	\$111	131
69	602	Providence	2010	West Warwick	Gough Ave & Ellison	Main Rd	2,4	BS	1967	High 35#	2,4	386	386	4	\$28,950.00	\$8,000.00	\$36,950.00	\$96	130
70	360	Providence	2010	Warwick	Uphill, Homeland, Ormsby		2	BS	1949	High	2	2,545	2,545	58	\$254,500.00	\$116,000.00	\$370,500.00	\$146	126
71	556	Providence	2010	Warwick	Leroy, Fostmere, Tiffany		2	BS	1930	High 35#	2	2430	2430	24	\$243,000.00	\$48,000.00	\$291,000.00	\$120	125
72	333	Providence	2010	Providence	Putnam St	Atwells Ave to Kossuth St	4	CI	1873	Low	6	1190	1190	34	\$101,150.00	\$68,000.00	\$169,150.00	\$142	122
73	611	Providence	2010	Cranston	Glen Hills and Evans Way		3	BS	1964	High 35#	2	1321	1321	8	\$85,865.00	\$16,000.00	\$101,865.00	\$77	120
74	623	Providence	2010	Coventry	Pine Ave		2	BS	1960	High 35#	2	292	292	5	\$26,280.00	\$10,000.00	\$36,280.00	\$124	120
75	546	Providence	2010	Barrington	Cottage st and Hamilton are	Maple to Cady	2	BS	1924	High 25#	2	1718	1718	27	\$146,030.00	\$54,000.00	\$200,030.00	\$116	118
76	625	Providence	2010	Warwick	Bellevue Ave	Warwick Ave to Astral	2	BS	1929	High 35#	2	944	944	19	\$80,240.00	\$38,000.00	\$118,240.00	\$125	117
77	619	Providence	2010	North Kingstown	Post Rd	King Philip to 6890 Post	8	BS	1954	High 35#	8	1978	1978	14	\$197,800.00	\$28,000.00	\$225,800.00	\$114	116
78	328	Providence	2010	Coventry	Valley Crest Rd.	Long Pond Rd. to end of main	2	BS	1964	High	2	1,300	1,425	8	\$117,000.00	\$16,000.00	\$133,000.00	\$102	115
79	558	Providence	2010	Warwick	Hart Ave	West Shore to #46 Hart	2	BS	1935	High 35#	2	454	454	5	\$45,400.00	\$10,000.00	\$55,400.00	\$122	113
80	591	Providence	2010	Coventry	Knotty Oak Rd	Foster to Highwood	6	BS	1964	High 35#	6	3536	3536	11	\$318,240.00	\$22,000.00	\$340,240.00	\$96	113
81	604	Providence	2010	West Warwick	Cleveland St		2	BS	1968	High 35#	2	1100	1100	8	\$82,500.00	\$16,000.00	\$98,500.00	\$90	111
82	583	Providence	2010	Warwick	Longmeadow Warw Sewer		2,3	BS	1946	High 35#	2,4	20678		297	\$1,137,290.00	\$594,000.00	\$1,731,290.00	\$84	108
83	544	Providence	2010	Barrington	Broadview and Devonshire		2	BS	1958	High 25#	2	1459		14	\$124,015.00	\$28,000.00	\$152,015.00	\$104	107
84	600	Providence	2010	Johnston	Di Ponte Dr		2	BS	1963	High 35#	2	725	725	9	\$54,375.00	\$18,000.00	\$72,375.00	\$100	106
85	550	Providence	2010	Coventry	West Lake, Johnson		2,4	BS	1961	High 35#	2,4	3879	3879	30	\$349,110.00	\$60,000.00	\$409,110.00	\$105	104
86	362	Providence	2010	Newport	Coggeshall	Bateman to #95 Coggeshall	4	CI	1934	Low	6	1180	1180	10	\$106,200.00	\$20,000.00	\$126,200.00	\$107	100
87	584	Providence	2010	Warwick	Glen Dr, Bradley, Hillcrest		2	BS	1946	High 35#	2	4772	4772	50	\$357,900.00	\$100,000.00	\$457,900.00	\$96	100
88	273	Providence	2010	Newport	Ayrault St., Everett St., Mann Ave.	Broadway to Catherine St.	2,3,4	CI	1900	Low	4,6	7,194	7,194	114	\$539,550.00	\$228,000.00	\$767,550.00	\$107	99
89	520	Providence	2010	Newport	Pell, Greenough		2.5, 4	CI	1920	Low	6	1,600	1,600	25	\$144,000.00	\$50,000.00	\$194,000.00	\$121	99
90	521	Providence	2010	Tiverton	Lawton, Hillside, Seaconnet	975' 2", 2490' 4"	2.3, 4	BS	1940	Intermediate	2&4	3,465	3,465	24	\$259,875.00	\$48,000.00	\$307,875.00	\$89	95
91	549	Providence	2010	Barrington	Middle Hwy area	7.5 2,2170 7	4,6,2	BS	1928	High 25#	2,6,8	10290	10000	77	\$874.650.00	\$154.000.00	\$1,028,650.00	\$100	93
92	560	Providence	2010	Barrington	County and Old County		6	BS	1928	High 35#	8	5524	5524	35	\$480,588.00	\$70,000.00	\$550,588.00	\$100	92
93	457	Providence	2010	Newport	Touro St	Washington Sq project	6	CI	1917	Low	6	520	520	33 	\$46,800.00		\$60,800.00	\$117	90
93	43/	FIGVIDENCE	2010	ricwport	10010 31	vv asimigrom sq project	Ü		1740	LOW	U	320	320	/	\$40,000.00	φ14,000.00	φυυ,ουυ.υυ	φ11/	70

National Grid - RI Gas Docket No.___ February 16, 2010 Final ARP Plan Attachment 1 Page 3 of 3

National Grid - Rhode Island Gas Accelerated Replacement Program Mains and Associated Service Replacement Proposed Fiscal Year 2011

A B C D E F G H I J K L M N O P Q R S

<u>Item #</u>	Project #	<u>Division</u>	Work Order Status	<u>Municipality</u>	<u>Location / Street</u>	<u>Project Limits</u>	Exist Diameter	Exist Material	<u>YOI</u>	System Pressure	<u>Relay</u> <u>Diameter</u>	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)
94	338	Providence	2010	East Greenwich	Greene St.,/ Prospect/Somerset		2	BS	1929	High	2	1,637	1,637	33	\$139,145.00	\$66,000.00	\$205,145.00	\$125	84
95	626	Providence	2010	Newport	Narragnsett Ave	Thames to #13 Narr.	2	BS	1899	Low	6	460	460	11	\$41,400.00	\$22,000.00	\$63,400.00	\$138	83
96	378	Providence	2010	Newport	Collins	Broadway to Dr Marcus	1.5	BS	1954	Low	6	260	260	3	\$23,400.00	\$6,000.00	\$29,400.00	\$113	81
						Wheatland													

Total	35	35	2,184	\$15,555,598	\$4,335,275	\$19,890,873	109