

**Enbridge Gas New Brunswick  
2006 Construction Plan**

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## Executive Summary

In the last seven years, Enbridge Gas New Brunswick (“EGNB”) has made significant progress in building the infrastructure necessary to bring natural gas to New Brunswick residents and businesses. EGNB is currently serving eight municipalities and has installed over 470 kilometers of distribution mains at the end of 2005. Over 20,000 homes and businesses now have access to EGNB’s natural gas mains, meaning that many New Brunswickers now have a new energy choice.

EGNB tentatively plans to construct approximately 59 kilometers of main during 2006 in Fredericton, Moncton, Dieppe, Oromocto, Saint John, and Riverview; however, all actual pipeline construction in 2006 will be based on signed demand. As a result, the enclosed routes are preliminary until sufficient demand has been confirmed. EGNB will continue to work closely with industry stakeholders to ensure that they understand the preliminary nature of the proposed routes. Finally, some of the proposed routes are in new construction areas. As a result, the construction of these routes will also depend on the pace of development of those areas.

## 2006 Forecast Construction

EGNB is targeting over 1,300 customer additions in 2006. The majority of these customers will be served from the network of mains constructed in prior years. While customer attachment is important to EGNB, increasing throughput continues to be its main focus in 2006. EGNB’s focus on the commercial and industrial markets during the short term will translate to lower customer attachment numbers but significant throughput expansion.

Table 1 summarizes customer additions (by municipality and by rate class) and the forecast customer base to the end of 2006.

**Table 1: 2006 Forecast Customer Additions**

	Rate Class							Total 2006	Total Cumm.
	SGS	GS	CGS	LFO	HFO	OPS	CLV- OPS		
<b>Greater Moncton</b>	470	100	15	-	-	-	-	585	2,583
<b>Riverview</b>	150	-	-	-	-	-	-	150	150
<b>Fredericton</b>	180	38	10	1	-	-	-	229	1,676
<b>Oromocto</b>	67	5	5	-	-	-	-	77	137
<b>Saint John</b>	166	65	5	1	-	-	-	237	845
<b>St. George</b>	3	-	-	-	-	-	-	3	63
<b>St. Stephen</b>	25	2	-	-	-	-	-	27	122
<b>Total</b>	1,061	210	35	2	-	-	-	1,308	
<b>Cumulative Total</b>	4,427	896	214	20	7	11	1		5,576

Table 2 summarizes forecast throughput (by rate class).

**Table 2: 2006 Forecast Throughput (GJs)**

<u>Rate Class</u>	<u>Gigajoules (GJs)</u>
Small General Service (SGS)	461,256
General Service (GS)	737,543
Contract General Service (CGS)	917,390
Contract Large General Service LFO (LFO)	1,376,558
Contract Large General Service HFO (HFO)	803,162
Off Peak Service (OPS)	11,100
Contract Large Volume Off Peak Service (CLVOPS)	20,656
<b>Total</b>	<b>4,327,665</b>

Table 3 outlines estimated lengths and costs of the forecast distribution plant (by municipality).

**Table 3: 2006 Forecast Distribution Plant**

<u>Municipality</u>	<u>2005 Carryover (metres)</u>	<u>2006 New Main (metres)</u>	<u>2006 Total Main (metres)</u>	<u>Main Value (000's \$)</u>	<u>Services (000's \$)</u>	<u>Total (000's \$)</u>
<b>Moncton</b>	2,683	21,585	24,268	1,300	310	1,610
<b>Dieppe</b>	-	8,465	8,465	510	269	779
<b>Riverview</b>	2,825	4,480	7,305	270	184	454
<b>Fredericton</b>	1,336	8,300	9,636	558	407	965
<b>Oromocto</b>	-	2,000	2,000	135	125	260
<b>Saint John</b>	3,307	4,350	7,657	651	448	1,099
<b>St. George</b>	-	-	-	-	4	4
<b>St. Stephen</b>	-	-	-	-	35	35
<b>Total</b>	10,151	49,180	59,331	\$3,424	\$1,782	\$5,206

### 2006 Preliminary Routes

The 2006 preliminary routes are shown in the following tables: Moncton (Tables 4 and 5), Dieppe (Table 6), Riverview (Tables 7 and 8), Fredericton (Tables 9 and 10), Oromocto (Table 11), and Saint John (Tables 12 and 13). For each municipality listed (excluding Dieppe and Oromocto), separate tables are included outlining the projects carried over from 2005. Many of the projects carried over from 2005 are in areas of new construction where the streets were not sufficiently complete to install gas mains.

The 2006 routes were chosen in support of EGNB's growth strategy, focusing on increasing throughput while maximizing return on capital invested. As indicated above, actual pipeline construction in 2006 will be based on customer commitment, in the form of a signed street service agreement, along potential routes prior to constructing additional mains.

All routes contained in the following tables are subject to an environmental screening process. Any environmental constraint identified in 2006 will be mitigated in accordance with EGNB's Environmental Protection Plan.

### 2006 New Projects and Projects Carried Over from 2005

**Table 4: Moncton Projects Carried Over from 2005**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Heathwood St	Highland View	End	2 PE	245	Savannah Heights
Jordan Ave	Existing	Killam Dr	2 ST	500	Savannah Heights
Lonsdale Dr	Mountain Rd	30 Lonsdale	2 PE	105	
Mapleton Rd	500m N. of TCH	760m N. of TCH #2	4 PE	260	
Mapleton Rd	Lady Ava Blvd	500m N. of TCH #2	4 PE	500	
Pleasant St	Clearview St	Shediac Rd	4 PE	385	
Savannah Dr	Heathwood St	End	2 PE	260	Savannah Heights
Arden St	Existing	Humphrey St	1.25 PE	48	
Humphrey St	Arden St	Connaught St	1.25 PE	380	
Total				<b>2683</b>	

**Table 5: Moncton New Projects for 2006**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Heathwood St	Highland View	End	TBD	225	Savannah Heights
Savannah Dr	Heathwood St	End	TBD	250	Savannah Heights
Erinvale	Tranquillite	End	TBD	140	Shangrila
Serenite	Erinvale	End	TBD	200	Shangrila
Erinvale	Russet	End	TBD	200	Grove Hamlet
Spartan	Russet	Erinvale	TBD	300	Grove Hamlet
Tallferro	Spartan	Erinvale	TBD	300	Grove Hamlet
Gagnon	Shediac	Jeremie	TBD	550	Twin Haven
Jeremie	Gagnon	End	TBD	200	Twin Haven
Myriam	Gagnon	Gagnon	TBD	250	Twin Haven
East	Shediac Rd	Fundy	TBD	500	Harrisville
Fundy	East	Future St	TBD	300	Harrisville
Future St	Fundy	End	TBD	500	Harrisville
Future St	Shediac Rd	End	TBD	600	Stirling Meadows
New Street	Elmwood	End	TBD	250	Vineyard
New Court	New Street	End	TBD	120	Vineyard

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Jordan	Jordan	End	TBD	700	Weldon
Palisade	Sumac	End	TBD	700	Palisade
Clubhouse	Village	End	TBD	500	Sunset Village
Ivy	Ivy	End	TBD	100	Auborn
McCoy	Ivy	Mailhot	TBD	300	Auborn
Cooper Crt	McCoy	End	TBD	100	Auborn
Flonno	Mailhot	End	TBD	275	Auborn
New Court	Flonno	End	TBD	100	Auborn
New Court	Flonno	End	TBD	100	Auborn
New Court	Flonno	End	TBD	100	Auborn
Mailhot	Mailhot	End	TBD	200	Rosemount
New Street	Mailhot	Foxwood	TBD	400	Rosemount
Mailhot	Lonsdale	400m East	TBD	400	Rosemount
New Court	Candice	End	TBD	125	Rosemount
New Court	Candice	End	TBD	125	Rosemount
Brockton	Mayfield	End	TBD	300	Eastwood Park
Rockmaple	Bulman	Maplehurst	TBD	100	Mountainway
Maplehurst	Rockmaple	Fernhill Ave	TBD	700	Mountainway
Fernhill Ave	Maplehurst	End	TBD	200	Mountainway
Willan Crt	Fernhill	End	TBD	150	Mountainway
Bulman	Bulman	Twin Oaks	TBD	300	Liberty Heights
Oakridge	Oakridge	End	TBD	300	Liberty Heights
Limestone	Bulman	Twin Oaks	TBD	300	Liberty Heights
Hildegaurd	Mailhot	Ryan	TBD	400	Tanya Gale Estates
Hildegaurd	Ivy	Mailhot	TBD	400	Tanya Gale Estates
Ryan St	Hildegaurd	Horseman Rd	TBD	1000	Tanya Gale Estates
Penrose	Ryan St	End	TBD	400	Tanya Gale Estates
Pebble Creek Way	Ryan St	Silver Shale	TBD	500	Pebble Creek
Tourmaline	Pebble Creek	End	TBD	80	Pebble Creek
Amber	Pebble Creek	Pebble Creek	TBD	660	Pebble Creek
Opal	Pebble Creek	End	TBD	75	Pebble Creek
Silver Shale	Pebble Creek	End	TBD	50	Pebble Creek
Stonebridge Rd	Horseman	End	TBD	800	Jonathan Creek
Avignon Way	Stonebridge	Stonebridge	TBD	500	Jonathan Creek
Grand Trunk	Millenium	Croasdale	TBD	600	Franklin Yard
Croasdale	Grand Trunk	Grand Trunk	TBD	400	Franklin Yard
Pottinger's	Grand Trunk	Croasdale	TBD	100	Franklin Yard
Auberry St	Colby	Chateau	TBD	60	Mountain Woods
Chateau	Colby	Crawford St	TBD	500	Mountain Woods

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Muirfield	Augusta	End	TBD	600	Magnetic Hills
Augusta	Ryan	Sunshine	TBD	500	Magnetic Hills
Sunshine	Augusta	Mountain	TBD	600	Magnetic Hills
Shannon	Rennick	Candice	TBD	500	Meadowview
Candice	Glencairn	Shannon	TBD	500	Meadowview
Mapleton Rd	TCH	600m North	TBD	600	Mapleton Heights
New Street	Mapleton Rd	300m East	TBD	300	Mapleton Heights
Total				<b>21585</b>	

**Table 6: Dieppe New Projects for 2006**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Muenier	Meunier	Dolbeau	TBD	300	Thomas Gardens
Manderville	Meunier	Allard	TBD	300	Thomas Gardens
Fabien	Fortune	End	TBD	400	Bonaventure
New Street	Nathalie	End	TBD	300	Foxcreek
New Street	Dieppe	End	TBD	600	Tridev
Dieppe	Melanson	New Street	TBD	400	Tridev
New Street	Melanson	End	TBD	300	Tridev
New Street	Gilispie	End	TBD	400	Point Aux Renard
Hector-Drolet	Centrale	Bedard	TBD	200	
Bedard	Hector-Drolet	New Street	TBD	475	
Desire Crt	Bedard	End	TBD	200	
New Street	Bernard	New Court	TBD	300	
New Court	New Street	End	TBD	160	
New Court	Bedard	End	TBD	120	
New Court	Bernard	End	TBD	200	
Bernard	New Street	Danois	TBD	500	
Vanier Est	Existing	Gesner	TBD	80	Beausejour
Gesner	Vanier Est	Grande Valee	TBD	80	Beausejour
Grande Valee	Gesner	End	TBD	145	Beausejour
Grande Valee	Gesner	Joliecoeur	TBD	230	Beausejour
Chardonnay	Thomas	End	TBD	400	Vignoble
Thomas	Fabian	Chardonnay	TBD	200	Vignoble
Surette	Gauvin	End	TBD	500	Gauvin
Napoleon	Surette	End	TBD	200	Gauvin
Pelagie	Amirault	End	TBD	900	Nacadie
New Street	Pelagie	End	TBD	375	Nacadie
Sonia	New Street	End	TBD	200	Nacadie
Total				<b>8465</b>	

**Table 7: Riverview Projects Carried Over from 2005**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Hillsborough Rd	Coverdale Rd	Riverlea	6 PE	2175	
Pine Glen	Coverdale Rd	650m South	2 PE	650	
Total				<b>2825</b>	

**Table 8: Riverview New Projects for 2006**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Cobblestone	Hillsborough	Sawgrass	TBD	400	Carriage Hill
Candlewick	Cobblestone	End	TBD	80	Carriage Hill
Sawgrass	Hillsborough	Cobblestone	TBD	400	Carriage Hill
Townsend	Coverdale	Lakeside	TBD	250	
Lakeside	Towsend	End	TBD	250	
Pinewood	Country Club Rd	New Street	TBD	100	McAllister Park
Southhaven	Pinewood	Flagstone	TBD	675	McAllister Park
Southhaven	Pinewood	End	TBD	425	McAllister Park
Whitehall	Southhaven	End	TBD	450	McAllister Park
Flagstone	Southhaven	New Street	TBD	720	McAllister Park
Rosebank	Southhaven	End	TBD	120	McAllister Park
Mooring	Goldsboro	End	TBD	130	Moncton Golf
Common Loon	End	End	TBD	300	Moncton Golf
Goldfinch	Common Lake	End	TBD	180	Moncton Golf
Total				<b>4480</b>	

**Table 9: Fredericton Projects Carried Over from 2005**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Goodine St	Spiro Dr	Harland Ct	2 PE	472	Lincoln Heights
Harland Ct	Goodine St	End	2 PE	339	Lincoln Heights
Sutton	Baxter	End	2 PE	300	Southwood Park
Wyngate Dr	Crocket St	End	1.25 PE	225	Cotton Mill
Total				<b>1336</b>	

**Table 10: Fredericton New Projects for 2006**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
New Street		End	TBD	200	Brookside Estates
New Street		End	TBD	200	Brookside Estates
New Street		End	TBD	300	Brookside West
New Court	Summerhill	End	TBD	300	West Hills
Sunset Dr	Existing	Clements Dr	TBD	800	Gilridge Estates
New Street	Clements	End	TBD	500	Gilridge Estates
New Street	Clements	End	TBD	500	Regiment Creek
Golf Club Rd	Existing	Woodstock Rd	TBD	600	Woodstock Rd
Woodstock Rd	Golf Club Rd	Woodstock Rd	TBD	1000	Woodstock Rd
Dunn's Crossing	Boyne Crt	Lincoln Rd	TBD	250	Lincoln Rd
Lincoln Rd	Dunn's Crossing	Biggs	TBD	1200	Lincoln Rd
Rainsford	Prospect	300m South	TBD	300	Rainsford Ln
New Street	Rainsford	End	TBD	400	Rainsford Ln
Woodside Ln	Existing	Serenity	TBD	300	Oakridge
Bliss Carmen	Existing	End	TBD	300	Poet's Hill
Sutton St	Existing	End	TBD	250	Sutton
Goodine	Spiro	End	TBD	600	Lincoln Heights
New Street	Goodine	End	TBD	300	Lincoln Heights
Total				<b>8300</b>	

**Table 11: Oromocto New Projects for 2006**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Watling	Harris	Willington	TBD	100	
Willington	Watling	Alcorn	TBD	300	
Alcorn	Willington	End	TBD	400	
Watling Cres	Harris	Long St	TBD	500	Watling
Dawson Dr	Existing	End	TBD	300	Colpits
New Street	Carpenter	End	TBD	400	
Total				<b>2000</b>	



**Table 12: Saint John Projects Carried Over from 2005**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
Canterbury St	Duke St	150m South	2 PE	170	
Carlile Cr	Existing	Mountain View Dr	2 PE	401	
Douglas Ave	Bentley St	305 Douglas Ave	2 PE	400	
Douglas Ave	Harbour School	500 Douglas Ave	2 PE	500	
Hickey Rd	Loch Lomond Rd	Shillington Rd	2 PE	685	
Loch Lomond Rd	McAllister Dr	Hickey Rd	4 PE	351	
Woodward Ave	Caladonia Dr	School	2 PE	500	
New Street	Bentley St	End	2 PE	300	
Total				<b>3307</b>	

**Table 13: Saint John New Projects for 2006**

On	From	To	Pipe Size (nps)	Length (m)	Subdivision
New Street	Cambridge Dr	End	TBD	300	Cambridge Estates
Carlile	Existing	End	TBD	400	Forest Hill
New Street	Manchester Ave	End	TBD	600	West Side Estates
New Street	Bentley	End	TBD	400	Bentley Crossing
Boars Head Rd	Cambridge Dr	Ragged Point Rd	TBD	400	Millidge
Woodward Ave	Ragged Point	Cedarwood	TBD	200	Millidge
Cedarwood	Woodward Ave	End	TBD	1000	Millidge
New Street	Woodward Ave	End	TBD	300	Woodward
New Street	University Ave	End	TBD	600	Proman
Cuter's Crt	University Ave	End	TBD	150	Proman
Total				<b>4350</b>	

**Information regarding the 2006 Construction Plan**

EGNB will distribute its 2006 Construction Plan to the licensed gas marketers listed below. EGNB will also place its 2006 Construction Plan on public file in each municipality where construction is anticipated to take place and maintain related information on its website.

## **Contacts of Gas Marketers**

### **Enbridge Utility Gas**

**Attn: Paul Hamilton**

440 Wilsey Road, Suite 101  
Fredericton, New Brunswick  
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### **Irving Energy Services Limited**

**Attn: Gerald Dugas**

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Saint John, New Brunswick  
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### **Park Fuels**

**Attn: Bill LeRoy**

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Saint John, New Brunswick  
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### **Competitive Energy Services, LLC**

**Attn: Jon Sorenson**

148 Maine Street, Suite 506  
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### **Energistics Group Inc.**

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### **Superior Propane Inc.**

**Attn: Michael Bedford**

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