

The *SIMDEX*
Future Pipeline Projects
Worldwide Guide



NOVEMBER 2008 STATISTICS

	Page
Future pipeline projects	
New future pipeline projects per region	2
Future pipeline projects per region	2
Pipeline projects per year of start of construction	
Pipeline projects per region and year of start of construction	3
Pipeline projects per region, year of start of construction and type (onshore, offshore)	5
Pipeline projects per region, year of start of construction and fluid	8
Pipeline projects per year of completion	
Pipeline projects per region and year of completion	12
Pipeline laying	
Pipeline laying per region and year	14
Pipeline laying per region, country and year	15
Cost	
Cost, average cost, cost/length ratio per region	23
Cost, average cost, cost/length ratio per type	23

NEW FUTURE PIPELINE PROJECTS (latest data update)

per region

Region	number of projects		total length			average length	
			km	miles		km	miles
North America	14	33%	3 713	2 310	28%	265	165
Latin America	5	12%	1 906	1 184	15%	381	237
Europe	6	14%	324	201	2%	54	34
Africa	5	12%	543	338	4%	109	68
Middle East	3	7%	1 931	1 200	15%	644	400
Asia	2	5%	1 300	808	10%	650	404
Australasia	7	17%	3 321	2 065	25%	474	295
Total	42		13 038	8 106		310	193

FUTURE PIPELINE PROJECTS

per region

	number of projects		total length			average length	
			km	miles		km	miles
North America	161	30%	65 612	40 787	23%	408	253
Latin America	50	9%	35 601	22 125	13%	712	443
Europe	84	16%	40 614	25 243	14%	484	301
Africa	34	6%	13 536	8 412	5%	398	247
Middle East	73	14%	32 689	20 317	11%	448	278
Asia	99	19%	85 983	53 430	30%	869	540
Australasia	33	6%	10 484	6 516	4%	318	197
Total	534		284 519	176 830		533	331

PIPELINE PROJECTS PER REGION AND YEAR OF START OF CONSTRUCTION (2006-2009)

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
North America								
2006	72	27	10 659	6 623	148	92	2 429	2 664
2007	120	31	18 988	11 804	158	98	5 232	5 760
2008	91	30	18 069	11 233	199	123	4 807	5 287
2009	85	28	27 347	17 001	322	200	6 742	7 469
Latin America								
2006	13	24	5 214	3 240	401	249	896	984
2007	18	22	6 029	3 748	335	208	920	1 018
2008	25	26	5 176	3 216	207	129	1 035	1 142
2009	37	25	16 342	10 156	442	274	3 369	3 689
Europe								
2006	26	33	4 246	2 640	163	102	1 405	1 549
2007	18	39	3 111	1 935	173	108	1 340	1 466
2008	18	31	3 743	2 326	208	129	1 256	1 390
2009	50	38	15 593	9 693	312	194	6 318	6 971
Africa								
2006	8	23	1 473	916	184	115	291	319
2007	14	26	2 340	1 454	167	104	531	579
2008	11	12	1 855	1 154	169	105	119	130
2009	24	37	10 572	6 570	441	274	4 342	4 769
Middle East								
2006	16	34	4 710	2 925	294	183	1 659	1 823
2007	59	29	8 592	5 344	146	91	2 463	2 706
2008	41	34	5 687	3 537	139	86	1 922	2 116
2009	40	28	10 283	6 392	257	160	2 609	2 868
Asia								
2006	31	24	12 573	7 810	406	252	2 218	2 450
2007	42	24	11 272	7 006	268	167	2 213	2 430
2008	43	39	19 922	12 382	463	288	8 530	9 395
2009	60	37	40 556	25 202	676	420	15 530	17 172

Australasia

2006	2	28	2 240	1 392	1 120	696	472	523
2007	5	17	1 345	835	269	167	130	144
2008	10	22	1 951	1 213	195	121	236	260
2009	22	19	3 511	2 181	160	99	433	477

WORLDWIDE

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	168	27	41 115	25 546	245	152	9 369	10 313
2007	276	28	51 677	32 126	187	116	12 828	14 102
2008	239	32	56 403	35 061	236	147	17 904	19 720
2009	318	32	124 204	77 195	391	243	39 342	43 417

2009 forecast

These tables provide data in terms of number of projects, total length, total weight on 2006, 2007, 2008 projects as well as a 2009 "forecast".

You will notice that the 2009 forecast figures are very high in comparison with the 2006-2008 period. Why is this so?

This forecast includes many large projects and these projects tend to be delayed for financial or administrative reasons. According to our experience 30 % of these projects will be postponed by one or two years (or more) which will drastically reduce the 2009 figures.

On the other hand many small projects will be announced in 2009 and will effectively start the same year. The addition of these projects with the large ones will reduce the average length and weight per project.

Our estimated forecast for 2009 is:

- number of projects: 300
- total length: 70,000 km / 43,000 miles
- total weight: 22 million tonnes / 24 million tons

PIPELINE PROJECTS PER REGION, YEAR OF START OF CONSTRUCTION (2007-2008) AND TYPE (onshore/offshore)

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
North America									
2007	onshore	104	31	17 820	11 077	171	107	4 994	5 499
	offshore	13	19	757	471	58	36	86	95
	onshore/offshore	3	35	411	256	137	85	152	166
		120		18 988	11 804			5 232	5 760
2008	onshore	83	30	17 147	10 660	207	128	4 608	5 068
	offshore	6	26	645	401	108	67	156	173
	onshore/offshore	2	25	277	172	139	86	42	46
		91		18 069	11 233			4 807	5 287
Latin America									
2007	onshore	13	23	5 884	3 657	453	281	903	1 000
	offshore	5	18	145	91	29	18	17	18
		18		6 029	3 748			920	1 018
2008	onshore	15	28	4 517	2 807	301	187	931	1 027
	offshore	9	18	553	343	61	38	73	81
	onshore/offshore	1	16	106	66	106	66	31	34
		25		5 176	3 216			1 035	1 142
Europe									
2007	offshore	13	33	1 764	1 098	136	84	546	598
	onshore	5	48	1 347	837	269	167	794	868
		18		3 111	1 935			1 340	1 466
2008	offshore	9	25	537	332	60	37	123	136
	onshore	8	33	2 961	1 842	370	230	1 058	1 171
	onshore/offshore	1	32	245	152	245	152	75	83
		18		3 743	2 326			1 256	1 390
Africa									
2007	offshore	11	15	1 198	744	109	68	87	95
	onshore	3	38	1 142	710	381	237	444	484
		14		2 340	1 454			531	579
2008	onshore	6	11	1 545	961	258	160	93	103
	offshore	5	16	310	193	62	39	25	27
		11		1 855	1 154			119	130

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
Middle East									
2007	onshore	42	30	7 047	4 381	168	104	2 192	2 407
	offshore	16	20	1 430	892	89	56	246	271
	onshore/offshore	1	24	115	71	115	71	25	28
		59		8 592	5 344			2 463	2 706
2008	onshore	33	34	4 770	2 966	145	90	1 635	1 803
	offshore	7	27	637	397	91	57	157	173
	onshore/offshore	1	42	280	174	280	174	130	140
		41		5 687	3 537			1 922	2 116
Asia									
2007	onshore	27	24	9 346	5 810	346	215	1 816	1 987
	offshore	14	26	1 718	1 067	123	76	376	420
	onshore/offshore	1	18	208	129	208	129	21	23
		42		11 272	7 006			2 213	2 430
2008	onshore	32	39	19 530	12 137	610	379	8 495	9 356
	offshore	10	12	368	230	37	23	33	36
	onshore/offshore	1	20	24	15	24	15	3	3
		43		19 922	12 382			8 530	9 395
Australasia									
2007	onshore	5	17	1 345	835	269	167	130	144
		5		1 345	835			130	144
2008	onshore	5	20	1 455	905	291	181	127	140
	offshore	5	27	496	308	99	62	109	120
		10		1 951	1 213			236	260

WORLDWIDE

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2007	onshore	199	29	43 931	27 307	221	137	11 273	12 388
	offshore	72	24	7 012	4 363	97	61	1 357	1 497
	onshore/offshore	5	29	734	456	147	91	198	217
		276		51 677	32 126			12 828	14 102
2008	onshore	182	33	51 925	32 278	285	177	16 948	18 670
	offshore	51	23	3 546	2 204	70	43	675	745
	onshore/offshore	6	31	932	579	155	97	281	306
		239		56 403	35 061			17 904	19 720

PIPELINE PROJECTS PER REGION, YEAR OF START OF CONSTRUCTION (2007-2008) AND FLUID

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
North America									
2007	natural gas	93	33	13 238	8 229	142	88	4 026	4 438
	oil	16	31	2 452	1 525	153	95	721	792
	NGL	4	16	1 662	1 033	416	258	120	131
	products	4	27	1 466	911	367	228	351	383
	multiphase	2	18	120	75	60	38	7	7
	CO2	1	24	50	31	50	31	8	9
		120		18 988	11 804			5 232	5 760
2008	natural gas	69	33	9 341	5 807	135	84	2 774	3 063
	oil	9	31	6 706	4 169	745	463	1 903	2 080
	NGL	7	12	1 645	1 022	235	146	101	112
	CO2	3	15	201	125	67	42	16	18
	products	2	16	93	58	47	29	8	9
	multiphase	1	6	83	52	83	52	5	6
		91		18 069	11 233			4 807	5 287
Latin America									
2007	natural gas	11	25	4 825	2 999	439	273	837	927
	multiphase	5	18	212	132	42	26	23	25
	ethanol	1	12	936	582	936	582	54	60
	oil	1	18	56	35	56	35	6	6
			18		6 029	3 748			920
2008	natural gas	17	29	4 522	2 811	266	165	995	1 098
	multiphase	4	15	345	214	86	54	27	31
	products	2	10	88	54	44	27	4	5
	LPG (Liquefied Petr	1	8	76	47	76	47	2	3
	oil	1	6	145	90	145	90	6	6
		25		5 176	3 216			1 035	1 142

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
Europe									
2007	oil	9	43	807	502	90	56	440	482
	natural gas	6	39	2 236	1 390	373	232	891	975
	multiphase	3	14	68	43	23	14	8	9
		18		3 111	1 935			1 340	1 466
2008	natural gas	9	33	3 119	1 938	347	215	1 143	1 265
	multiphase	4	8	76	47	19	12	5	5
	oil	2	28	470	293	235	147	105	116
	water	1	8	36	22	36	22	1	1
	products	1	4	30	19	30	19	0	0
	sea water	1	16	12	7	12	7	2	2
		18		3 743	2 326			1 256	1 390
Africa									
2007	natural gas	6	31	1 689	1 049	282	175	508	554
	multiphase	4	12	401	249	100	62	8	9
	oil	3	14	183	114	61	38	11	12
	condensate	1	12	67	42	67	42	4	4
		14		2 340	1 454			531	579
2008	multiphase	4	13	316	197	79	49	17	19
	oil	2	17	130	81	65	41	14	15
	NGL	1	10	32	20	32	20	1	2
	products	1	8	344	214	344	214	11	12
	sea water	1	12	920	572	920	572	64	71
	water	1	6	3	2	3	2	0	0
	natural gas	1	18	110	68	110	68	11	12
		11		1 855	1 154			119	130

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
Middle East									
2007	natural gas	14	33	2 034	1 265	145	90	606	666
	water	12	41	2 399	1 492	200	124	1 236	1 357
	oil	10	22	1 397	869	140	87	273	300
	NGL	7	25	809	503	116	72	163	181
	multiphase	5	10	648	403	130	81	39	44
	ethane	4	15	917	570	229	143	83	91
	condensate	2	26	129	81	65	41	29	32
	ethylene	1	16	140	87	140	87	12	13
	oil and gas products	1	30	14	9	14	9	5	6
	sea water	1	8	41	25	41	25	1	1
	steam	1	42	32	20	32	20	14	15
			59		8 592	5 344			2 463
2008	natural gas	16	38	2 583	1 606	161	100	1 028	1 135
	oil	10	34	1 359	845	136	85	425	461
	water	6	46	415	258	69	43	241	266
	multiphase	4	16	477	297	119	74	50	55
	products	2	20	500	311	250	156	60	66
	NGL	2	39	273	170	137	85	114	129
	oil and gas	1	8	80	50	80	50	5	6
		41		5 687	3 537			1 922	2 116
Asia									
2007	natural gas	28	28	5 820	3 617	208	129	1 438	1 580
	oil	7	36	948	589	135	84	364	402
	products	5	16	4 377	2 721	875	544	396	430
	multiphase	2	19	127	79	64	40	16	17
		42		11 272	7 006			2 213	2 430
2008	natural gas	24	42	14 323	8 902	597	371	6 849	7 549
	oil	8	37	4 178	2 596	522	325	1 601	1 757
	multiphase	7	12	449	280	64	40	36	40
	products	4	10	972	604	243	151	44	49
		43		19 922	12 382			8 530	9 395

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
Australasia									
2007	natural gas	4	19	1 072	665	268	166	121	134
	oil	1	8	273	170	273	170	9	9
		5		1 345	835			130	144
2008	natural gas	6	18	817	508	136	85	102	113
	water	2	25	897	558	449	279	92	101
	condensate	1	18	108	67	108	67	11	12
	multiphase	1	30	129	80	129	80	31	34
		10		1 951	1 213			236	260

WORLDWIDE

2007	natural gas	162	31	30 914	19 214	191	119	8 427	9 273
	oil	47	30	6 116	3 804	130	81	1 823	2 003
	multiphase	21	13	1 576	981	75	47	102	112
	water	12	41	2 399	1 492	200	124	1 236	1 357
	NGL	11	19	2 471	1 536	225	140	283	312
	products	10	19	5 884	3 657	588	366	748	815
	ethane	4	15	917	570	229	143	83	91
	condensate	3	21	196	123	65	41	33	36
	ethanol	1	12	936	582	936	582	54	60
	ethylene	1	16	140	87	140	87	12	13
	oil and gas	1	30	14	9	14	9	5	6
	CO2	1	24	50	31	50	31	8	9
	steam	1	8	32	20	32	20	1	1
sea water	1	42	32	20	32	20	14	15	
		276		51 677	32 126			12 828	14 102
2008	natural gas	142	36	34 815	21 640	245	152	12 902	14 234
	oil	32	33	12 988	8 074	406	252	4 052	4 435
	multiphase	25	14	1 875	1 167	75	47	171	189
	products	12	12	2 027	1 260	169	105	128	141
	water	10	31	1 351	840	135	84	334	368
	NGL	10	16	1 950	1 212	195	121	217	243
	CO2	3	15	201	125	67	42	16	18
	sea water	2	12	932	579	466	290	66	73
	condensate	1	18	108	67	108	67	11	12
	LPG (Liquefied Petroleum Gas)	1	8	76	47	76	47	2	3
oil and gas	1	8	80	50	80	50	5	6	
		239		56 403	35 061			17 904	19 720

PIPELINE PROJECTS PER REGION AND YEAR OF COMPLETION

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
North America								
2006	61	26	7 555	4 696	124	77	1 529	1 687
2007	110	29	14 354	8 922	130	81	3 669	4 029
2008	107	29	18 334	11 399	171	107	4 566	5 032
2009	79	27	19 336	12 021	245	152	4 388	4 859
Latin America								
2006	11	26	5 008	3 113	455	283	981	1 075
2007	13	21	2 966	1 843	228	142	427	468
2008	32	22	6 245	3 881	195	121	876	971
2009	23	27	5 124	3 184	223	138	1 040	1 144
Europe								
2006	29	30	5 417	3 369	187	116	1 563	1 734
2007	17	23	1 571	976	92	57	322	357
2008	14	35	3 252	2 023	232	145	1 145	1 254
2009	27	25	2 014	1 252	75	46	417	462
Africa								
2006	12	27	2 103	1 308	175	109	451	498
2007	8	22	1 438	894	180	112	228	248
2008	15	21	2 422	1 504	161	100	354	387
2009	19	21	3 952	2 457	208	129	668	735
Middle East								
2006	12	43	4 671	2 903	389	242	2 228	2 402
2007	32	23	3 891	2 419	122	76	765	838
2008	62	34	11 068	6 881	179	111	3 981	4 376
2009	31	28	5 243	3 263	169	105	1 310	1 443
Asia								
2006	26	30	14 444	8 974	556	345	3 982	4 417
2007	38	25	7 035	4 372	185	115	1 398	1 546
2008	37	23	11 801	7 335	319	198	2 188	2 406
2009	40	32	13 340	8 289	334	207	3 999	4 396

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
Australasia								
2006	5	27	3 028	1 882	606	376	618	680
2007	2	15	657	408	329	204	54	59
2008	6	23	1 322	821	220	137	146	161
2009	20	18	1 940	1 204	97	60	213	235
WORLDWIDE								
2006	156	30	42 226	26 245	271	168	11 352	12 491
2007	220	26	31 912	19 834	145	90	6 861	7 545
2008	273	28	54 444	33 844	199	124	13 258	14 587
2009	239	28	50 949	31 670	213	133	12 035	13 274
2010	173	33	77 664	48 266	449	279	25 609	28 202
2011	115	34	66 270	41 187	576	358	22 395	24 693
2012	52	37	44 198	27 465	850	528	16 800	18 549

PIPELINE LAYING PER REGION AND YEAR

	Year	total length		total weight		number of projects involved
		km	miles	thousands of metric tonnes	thousands of US tons	
North America	2007	17 018	10 578	4 460	4 905	153
	2008	17 236	10 717	4 375	4 819	134
	2009	23 299	14 489	5 754	6 364	112
		57 553	35 784	14 588	16 088	
Latin America	2007	4 091	2 545	572	631	26
	2008	6 012	3 738	1 008	1 115	38
	2009	10 533	6 547	2 160	2 367	43
		20 636	12 830	3 740	4 112	
Europe	2007	2 326	1 446	805	883	25
	2008	3 012	1 871	1 030	1 132	26
	2009	7 761	4 820	2 979	3 290	62
		13 099	8 137	4 813	5 305	
Africa	2007	2 010	1 250	363	397	21
	2008	2 204	1 371	324	355	24
	2009	4 976	3 094	1 156	1 270	33
		9 190	5 715	1 843	2 022	
Middle East	2007	6 595	4 098	1 905	2 093	72
	2008	8 354	5 192	2 829	3 111	81
	2009	7 254	4 507	1 791	1 969	59
		22 203	13 797	6 525	7 174	
Asia	2007	10 630	6 604	2 111	2 327	65
	2008	14 876	9 244	4 443	4 889	70
	2009	27 584	17 140	10 345	11 413	93
		53 090	32 988	16 899	18 630	
Australasia	2007	963	599	90	99	6
	2008	1 638	1 018	192	211	14
	2009	2 589	1 606	315	347	30
		5 190	3 223	597	658	
WORLDWIDE	2007	43 633	27 120	10 306	11 336	368
	2008	53 332	33 151	14 200	15 632	387
	2009	83 996	52 203	24 500	27 020	432
	Total	180 961	112 474	49 005	53 988	

PIPELINE LAYING PER REGION, COUNTRY AND YEAR

(country where the pipeline starts)

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
NORTH AMERICA						
Bahamas	2007	154	96	25	28	1
	2008	50	31	10	11	1
	2009	50	31	10	11	1
Canada	2007	2 825	1 756	751	826	16
	2008	4 392	2 729	1 080	1 184	22
	2009	5 361	3 331	1 265	1 391	17
USA	2007	14 039	8 726	3 684	4 052	136
	2008	12 794	7 957	3 286	3 625	111
	2009	17 888	11 127	4 479	4 962	94

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
LATIN AMERICA						
Argentina	2007	723	450	136	152	3
	2008	537	334	130	145	2
Bolivia	2007	299	186	73	80	1
	2008	299	186	73	80	1
	2009	829	515	216	237	2
Brazil	2007	1 916	1 191	195	216	11
	2008	3 939	2 447	556	615	24
	2009	4 530	2 816	694	760	20
Chile	2007	296	184	55	60	2
	2008	246	153	25	28	1
Colombia	2007	312	194	46	51	3
	2008	104	65	17	19	1
	2009	235	146	39	43	1
Ecuador	2009	314	196	93	104	2

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
LATIN AMERICA						
Mexico	2007	63	39	24	26	3
	2008	270	168	92	102	4
	2009	1 206	749	222	244	6
Peru	2008	136	85	40	43	1
	2009	2 677	1 664	789	859	6
Puerto Rico	2008	67	42	8	9	1
Trinidad and Tobago	2007	30	19	1	1	1
	2009	627	390	70	77	5
Uruguay	2007	282	176	34	38	1
	2008	282	176	34	38	1
Venezuela	2007	170	106	8	9	1
	2008	132	82	33	36	2
	2009	115	71	39	43	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
EUROPE						
Armenia	2009	420	261	90	100	1
Bulgaria	2007	101	63	58	63	1
	2008	101	63	58	63	1
	2009	634	395	297	325	4
Croatia	2008	288	178	20	22	2
	2009	469	290	38	43	5
Czech Republic	2009	299	185	47	50	2
Denmark	2009	432	269	99	112	2
Estonia	2009	90	56	15	17	1
France	2008	30	19	0	0	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
EUROPE						
Germany	2008	122	76	38	42	1
	2009	362	225	223	247	2
Greece	2007	86	53	29	32	1
	2009	267	165	72	80	2
Hungary	2009	16	10	3	4	1
Ireland	2009	93	58	13	14	2
Italy	2009	130	80	40	44	2
Netherlands	2009	22	14	2	2	1
Norway	2007	1 222	761	383	422	10
	2008	648	403	178	194	6
	2009	552	344	78	86	13
Poland	2009	120	74	30	33	1
Romania	2009	3	2	1	1	1
Russia	2007	419	260	178	195	3
	2008	1 147	712	532	587	6
	2009	2 224	1 381	1 247	1 377	11
Slovakia	2007	61	38	5	6	1
Spain	2007	122	76	55	60	1
	2008	522	325	116	128	4
	2009	410	255	62	69	3
Sweden	2009	40	24	3	4	2
Turkey	2007	110	68	84	92	1
	2008	110	68	84	92	1
	2009	637	396	329	364	3
Turkmenistan	2009	500	311	285	315	1
United Kingdom	2007	205	127	13	14	7
	2008	44	27	5	6	4
	2009	41	25	6	7	2

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	

EUROPE

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	

AFRICA

Algeria	2007	435	271	194	212	4
	2008	299	186	134	147	3
	2009	1 309	813	360	396	10
Angola	2007	257	160	4	5	4
	2008	295	185	17	19	6
	2009	247	154	14	15	5
Cameroon	2009	90	56	8	8	1
Congo	2007	119	75	7	7	2
	2008	44	28	1	1	1
	2009	10	6	1	1	1
Egypt	2007	315	195	79	85	2
	2008	265	164	65	70	1
	2009	130	81	18	20	1
Gabon	2007	206	128	8	9	1
	2008	10	6	0	0	1
	2009	100	62	3	3	1
Ivory Coast	2009	192	120	16	18	1
Kenya	2008	172	107	6	6	1
	2009	172	107	6	6	1
Libya	2007	89	55	15	16	1
	2008	89	55	15	16	1
	2009	670	416	111	122	2
Mozambique	2009	185	115	31	34	1
Namibia	2009	180	112	22	24	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
AFRICA						
Nigeria	2007	567	352	56	61	6
	2008	438	272	42	46	7
	2009	627	390	444	487	3
Saudi Arabia	2008	460	286	32	36	1
	2009	460	286	32	36	1
South Africa	2009	582	362	90	99	3
Tunisia	2007	22	14	1	1	1
	2008	132	82	12	13	2
	2009	22	14	1	1	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
MIDDLE EAST						
Azerbaijan	2007	68	42	8	9	2
	2008	68	42	8	9	2
Bangladesh	2009	30	18	4	4	1
Egypt	2008	94	58	18	20	1
Indonesia	2008	20	12	3	4	1
	2009	20	12	3	4	1
Iran	2007	614	381	319	352	4
	2008	868	539	514	571	4
	2009	1 367	850	620	683	4
Iraq	2009	695	432	178	193	3
Kazakhstan	2007	75	46	19	21	1
	2008	75	46	19	21	1
	2009	502	312	83	93	1
Kuwait	2007	292	180	52	58	5
	2008	1 391	864	337	372	15
	2009	287	177	69	76	5

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
MIDDLE EAST						
Qatar	2007	1 119	695	264	290	11
	2008	556	346	136	150	7
	2009	663	411	101	111	9
Saudi Arabia	2007	1 942	1 209	434	474	21
	2008	2 589	1 612	755	827	24
	2009	1 508	941	303	327	14
Sultanate of Oman	2007	1 194	742	530	584	11
	2008	1 418	880	537	591	10
	2009	366	227	56	61	5
Syria	2007	108	67	37	40	1
	2008	108	67	37	40	1
	2009	268	166	75	85	1
UAE	2007	1 068	665	201	222	15
	2008	1 052	655	426	464	14
	2009	1 303	809	280	309	14
Yemen	2007	115	71	40	43	1
	2008	115	71	40	43	1
	2009	245	152	20	22	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
ASIA						
Bangladesh	2009	80	50	4	4	1
China	2007	4 912	3 053	767	843	16
	2008	6 197	3 850	1 479	1 644	19
	2009	4 926	3 059	1 584	1 760	12
Hong Kong	2009	20	12	2	2	1
India	2007	2 715	1 685	369	407	18
	2008	3 938	2 447	828	909	20
	2009	6 470	4 019	1 761	1 943	28

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
ASIA						
Indonesia	2007	1 329	824	356	392	14
	2008	888	551	221	242	8
	2009	1 235	768	449	489	6
Japan	2007	20	13	2	3	2
	2008	44	28	7	8	2
	2009	44	28	7	8	2
Kazakhstan	2007	85	53	14	16	2
	2008	703	437	290	320	2
	2009	3 766	2 342	1 757	1 950	7
Malaysia	2007	155	96	18	20	3
	2008	99	62	11	12	2
	2009	337	209	87	97	4
Myanmar	2009	2 490	1 548	872	959	3
Pakistan	2009	833	518	203	223	1
Russia	2007	539	335	313	347	2
	2008	2 194	1 362	1 313	1 432	7
	2009	5 324	3 307	2 872	3 159	14
Taiwan	2007	64	40	22	24	1
	2008	64	40	22	24	1
Thailand	2007	398	248	153	172	3
	2008	237	148	81	91	2
	2009	100	62	5	6	1
Turkmenistan	2007	96	60	65	70	1
	2008	96	60	65	70	1
	2009	817	508	376	414	3
Uzbekistan	2008	262	163	115	125	1
	2009	524	326	230	250	2
Vietnam	2007	311	193	32	35	2
	2008	148	92	11	12	4
	2009	612	380	136	150	7

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
AUSTRALASIA						
Australia	2007	963	599	90	99	6
	2008	1 638	1 018	192	211	14
	2009	2 460	1 526	298	328	28
New Zealand	2009	129	80	17	20	2

COST, AVERAGE COST, COST/LENGTH RATIO

Based on future pipeline projects whose cost is planned or estimated (158 projects)

Region	number of projects		total cost of projects		average cost of project	cost/ length ratio	
			million of US dollars			million of US \$ / km	million of US \$ / miles
North America	44	28%	57 165	23%	1 299	1.94	3.13
Latin America	18	11%	30 209	12%	1 678	1.49	2.40
Europe	27	17%	38 158	15%	1 413	2.58	4.15
Africa	11	7%	13 975	6%	1 270	1.71	2.74
Middle East	22	14%	35 482	14%	1 613	2.11	3.39
Asia	34	22%	68 163	28%	2 005	1.93	3.11
Australasia	2	1%	4 144	2%	2 072	1.29	2.07
Total	158		247 296		1 565	1.93	3.11

COST, AVERAGE COST, COST/LENGTH RATIO

Based on future pipeline projects whose cost is planned or estimated (158 projects)

Region	number of projects		total cost of projects		average cost of project	cost/ length ratio	
			million of US dollars			million of US \$ / km	million of US \$ / miles
onshore	123	78%	203 174	82%	1 652	1.83	2.95
offshore	30	19%	31 222	13%	1 041	2.77	4.46
onshore/offshore	5	3%	12 900	5%	2 580	2.15	3.47
Total	158		247 296		1 565	1.93	3.11