## ASSUMES NGG BUILDING A GREENFIELD MINIMUM CONNECTION & APPROX 40km PIPELINE FOR NTS REINFORCEMENT ASSUMES DEVELOPER BUILDING CONNECTING PIPELINE

Make initial of         Establish ner         Produce Stra         Identify prefe         Compile CD3         Submit appli         Consideratio         Grant planni         Developer Detail         Detailed spe         Obtain easer         Tender proce         Tender proce         Make Final II         Apply for NT         Build facility         First Gas Date         NTS Connection Proce         Make conner         Produce con         Send out offer         Build Connection         Produce con         Send out offer         Build Connection         Offer accept         Award contra         Materials del         Construction         NTS Capacity Proces         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	Name	Duration	Start	Predecessors	2012 Q2 Q3 Q4 Q1 Q2 Q3			2014         2015           Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4	2016 Q1 Q2	Q3 Q4	2017 Q1 Q2 Q3	2018 3 Q4 Q1 Q2	22 Q3
Make initial of         Establish ner         Produce Stra         Identify prefe         Compile CD3         Submit appli         Consideratio         Grant planni         Developer Detail         Detailed spe         Obtain easer         Tender proce         Tender proce         Make Final II         Apply for NT         Build facility         First Gas Date         NTS Connection Proce         Make conner         Produce con         Send out offer         Build Connection         Produce con         Send out offer         Build Connection         Offer accept         Award contra         Materials del         Construction         NTS Capacity Proces         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	•	2575 days	Fri 01/07/11										
Establish ner         Produce Strat         Identify prefe         Compile CD3         Submit appli         Consideratio         Grant planni         Developer Detail         Detailed spe         Obtain easer         Tender proce         Tender asse         Other Developer I         Make Final II         Apply for NT         Build facility         First Gas Date         NTS Connection Produce con         Send out offer         Build Connection         Offer accept         Accept offer         Build Connection         Offer accept         Award contra         Materials del         Construction         NTS Capacity Process         Licence/UNC Ca         Licence/UNC Ca         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	lanning Process for Facility, Connecting Pipeline & NTS Connection	1430 days	Fri 01/07/11								•		
Produce Strat         Identify prefer         Compile CD3         Submit appli         Consideratio         Grant planni         Developer Detail         Detailed spe         Obtain easer         Tender proct         Tender proct         Make Final In         Apply for NT         Build facility         First Gas Date         NTS Connection Pro         Make conner         Produce con         Send out offer         Build Connection         Offer accept:         Accept offer         Build Connection         Produce con         Send out offer         Build Connection         Materials del         Construction         NTS Capacity Process         Licence/UNC Ca         Licence/UNC Ca         Allocate         CURRE         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	Make initial commitment to develop project	0 days	Fri 01/07/11		01/07								
Identify prefer         Compile CD3         Submit appli         Consideratio         Grant planni         Developer Detail         Detailed spe         Obtain easer         Tender proc         Tender acce         Other Developer         Make Final In         Apply for NT         Build facility         First Gas Date         NTS Connection Pro         Make conner         Produce con         Send out offer         Build Connection         Offer accept         Accept offer         Build Connection         Materials del         Construction         NTS Capacity Process         Licence/UNC Ca         Allocate         CURRE         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 3	Establish need case (Technical options)	26 wks	Fri 01/07/11	3	Developer								
Compile CD3         Submit appli         Consideratio         Grant planni         Developer Detail         Obtain easer         Tender proce         Tender proce         Make Final In         Apply for NT         Build facility         First Gas Date         NTS Connection Produce con         Send out offer         Offer accept         Accept offer         Build Connection         Offer accept         Accept offer         Build Connection         Produce con         Send out offer         Build Connection         Produce con         Send out offer         Build Connection         Materials del         Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	Produce Strategic Options Report	26 wks	Fri 30/12/11	4	Deve	loper	with key stakeholders						
Submit appli         Consideratio         Grant planni         Developer Detail         Obtain easer         Tender proct         Tender proct         Tender asse         Other Developer         Make Final In         Apply for NT         Build facility         First Gas Date         NTS Connection Produce con         Send out off         Offer accept         Accept offer         Build Connection         Produce con         Send out off         Offer accept         Accept offer         Build Connection         NTS Construction         NTS construction         NTS construction         NTS construction         NTS construction         NTS capacity Process         Licence/UNC Ca         Licence char         CurRRE         Physical Reinfor         Planning Pr         Stage 1         Stage 1         Stage 2         Stage 3         Stage 3	Identify preferred route corridor and site locations	65 wks	Fri 29/06/12	5,27			Deve	eloper with key stakeholders and general public					
Consideratio         Grant planni         Developer Detail         Obtain ease         Tender proct         Tender proct         Tender asse         Other Developer         Make Final It         Apply for NT         Build facility         First Gas Date         NTS Connection Produce con         Send out off         Offer accept         Accept offer         Build Connection         Produce con         Send out off         Offer accept         Accept offer         Build Connection         NTS Capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	Compile CDS, EIA & sufficient detail for application	104 wks	Fri 27/09/13	6	<b>↑</b>			i i Deve	loper				
Grant plannii         Developer Detail         Detailed spe         Obtain ease         Tender proct         Tender proct         Tender asse         Other Developer         Make Final II         Apply for NT         Build facility         First Gas Date         NTS Connection Proc         NTS Connection Proc         NTS Connection Proc         Accept offer         Build facility         Accept offer         Build Connectio         Offer accept         Accept offer         Build Connection         Produce con         Send out off         Offer accept         Accept offer         Build Connection         NTS Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	Submit application to IPC/MIPU	13 wks	Fri 25/09/15	7					Develope	6			
Grant plannii         Developer Detail         Detailed spe         Obtain ease         Tender proct         Tender proct         Tender asse         Other Developer         Make Final II         Apply for NT         Build facility         First Gas Date         NTS Connection Proc         NTS Connection Proc         NTS Connection Proc         Accept offer         Build facility         Accept offer         Build Connectio         Offer accept         Accept offer         Build Connection         Produce con         Send out off         Offer accept         Accept offer         Build Connection         NTS Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	Consideration of application by IPC/MIPU	52 wks	Fri 25/12/15	8							IPC/MIPU/SoS		
Developer Detail           Detailed spe           Obtain ease           Tender proct           Tender proct           Tender asse           Other Developer           Make Final II           Apply for NT           Build facility           First Gas Date           NTS Connection Prov           NTS Connection Prov           NTS Connection Prov           NTS Connection Prov           Make conner           Produce con           Send out off           Offer accepti           Accept offer           Build Connection           Detail design           Tender proct           Accept offer           Build Connection           Offer accepti           Accept offer           Build Connection           NTS capacity Process           Licence/UNC Ca           Licence char           Allocate           CURRE           Physical Reinfor           Physical Reinfor           Planning Pr           Stage 1           Stage 2           Stage 3	Grant planning consent	0 days	Thu 22/12/16	9							22/12		
Detailed spe         Obtain easer         Tender proce         Tender asse         Other Developer         Make Final II         Apply for NT         Image: Apply for Apply for NT         Image: Apply for Apply for NT         Image: Apply for Apply fo	eveloper Detail Design & Procurement	520 days	Fri 23/12/16								1		
Obtain easer         Tender proct         Tender asse         Other Developer         Make Final II         Apply for NT         Apply for NT         Build facility         First Gas Date         NTS Connection Produce con         Early discuss         Make conner         Produce con         Send out off         Offer accept         Accept offer         Build Connection         Offer accept         Accept offer         Build Connection         Offer accept         Accept offer         Build Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3													
Tender proce         Other Developer         Make Final II         Apply for NT         Apply for NT         Build facility         First Gas Date         NTS Connection Prod         NTS Connection Prod         Produce con         Send out off         Offer accept         Accept offer         Build Connection         NTS construction         NTS construction         NTS capacity Proces         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4		52 wks	Fri 23/12/16									Develope	
Tender asse         Other Developer         Make Final II         Apply for NT         Image: Apply for NT         Build facility         First Gas Date         NTS Connection Produce con         Early discuss         Make connection         Produce con         Send out off         Offer accept         Accept offer         Build Connection         NTS construction         NTS connect         NTS construction         NTS construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	Obtain easements etc for facility, pipelines and NTS connection	52 wks	Fri 23/12/16								L	Develope	er
Other Developer         Make Final II         Apply for NT         Apply for NT         Build facility         First Gas Date         NTS Connection Produce con         Early discuss         Make conner         Produce con         Send out offer         Offer accept         Accept offer         Build Connection         NTS construction         NTS connect         NTS connect         Construction         NTS capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	Tender process	26 wks	Thu 21/12/17	13									De
Make Final II         Apply for NT         Build facility         First Gas Date         NTS Connection Pro-         NTS Connection         Offer accept         Accept offer         Build Connection         Offer accept         Accept offer         Build Connection         NTS construction         NTS construction         NTS Capacity Procest         Licence/UNC Ca         Licence char         CurRRE         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 3	Tender assessment	26 wks	Thu 21/06/18	14									
Apply for NT         Apply for NT         Build facility         First Gas Date         NTS Connection Prov         Apply for NT         NTS Connection Prov         NTS Connection         Produce con         Send out offer         Offer accept         Accept offer         Build Connection         Detail design         Tender proce         Award contra         Materials del         Construction         NTS Capacity Proces         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 3	ther Developer Commitments	625 days	Thu 20/12/18										
Apply for NT         Build facility         First Gas Date         NTS Connection Prov         NTS Connection         Produce con         Send out offer         Build Connectio         Offer accept         Accept offer         Build Connectio         Detail design         Tender proce         Award contra         Materials del         Construction         NTS Capacity Proces         Licence/UNC Ca         Licence char         Clicence char         CurRRE         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 3	Make Final Investment Decision	5 wks	Thu 20/12/18	15									
Apply for NT         Build facility         First Gas Date         NTS Connection Prov         NTS Connection         Produce con         Send out offer         Build Connectio         Offer accept         Accept offer         Build Connectio         Detail design         Tender proce         Award contra         Materials del         Construction         NTS Capacity Proces         Licence/UNC Ca         Licence char         Clicence char         CurRRE         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 3	Apply for NTS entry capacity in March QSEC auction	5 wks	Fri 01/03/19	17,41									
Build facility         First Gas Date         NTS Connection Produce con         Produce con         Send out offer         Offer accept         Accept offer         Build Connection         Produce con         Offer accept         Accept offer         Build Connection         Offer accept         Accept offer         Build Connection         Detail design         Tender proce         Award contra         Materials del         Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	Apply for NTS exit capacity in July application window	5 wks	Mon 01/07/19										
First Gas Date		120 wks	Thu 24/01/19										
Image: NTS Connection Produce con         Image: NTS Construction NTS connection         Image: NTS Capacity Process         Image: Licence/UNC Ca         Image: Licence/UNC Ca         Image: Licence char         Image: CURRE         Image: CURRE         Image: Physical Reinfor         Physical Reinfor         Image: Planning Pr         Image: Stage 1         Image: Stage 2         Image: Stage 3         Image: Stage 4													
NTS Connection         Early discuss         Make conner         Produce con         Send out offer         Offer accept         Accept offer         Build Connectio         Detail design         Tender proce         Award contra         Materials det         Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Capacity Au         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3	a5 Date	0 days	Fri 01/10/21	31,00,20									
NTS Connection         Early discuss         Make conner         Produce con         Send out offer         Offer accept         Accept offer         Build Connectio         Detail design         Tender proce         Award contra         Materials det         Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Capacity Au         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3													
Early discuss Make conner Produce con Send out offe Offer accept Accept offer Build Connectio Detail design Tender proce Award contra Materials del Construction NTS Capacity Proces Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3	onnection Process	2580 days	Fri 01/07/11			_				-			
Make conner Produce con Send out off Offer accept Accept offer Build Connectio Detail desigr Tender proce Award contra Materials del Construction NTS Capacity Process Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3	TS Connection Offer	195 days	Fri 01/07/11										
Produce con         Send out off         Offer accept         Accept offer         Build Connectio         Detail design         Tender procest         Award contra         Materials del         Construction         NTS Capacity Procest         Licence/UNC Ca         Licence char         Capacity Au         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	Early discussion with NG NTS	13 wks	Fri 01/07/11	3	Developer								
Send out offer Offer accept Accept offer Build Connectio Detail design Tender proce Award contra Materials del Construction NTS Capacity Process Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3	Make connection application	0 days	Thu 29/09/11	25	29/09							1	
Send out offer Offer accept Accept offer Build Connectio Detail design Tender proce Award contra Materials del Construction NTS Capacity Process Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3	Produce connection offer	13 wks	Fri 30/09/11	26	NG NTS								
Offer accept         Accept offer         Build Connectio         Detail design         Tender procest         Award contra         Materials del         Construction         NTS Capacity Procest         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	Send out offer incl draft ConsAg	0 days	Thu 29/12/11		29/12								
Accept offer Build Connectio Detail design Tender proce Award contra Award contra Award contra Award contra NTS Capacity Proces Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 3	-	13 wks	Fri 30/12/11										
Build Connection         Detail design         Tender procest         Award contra         Materials del         Construction         NTS Capacity Procest         Licence/UNC Ca         Licence char         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	Offer acceptance period				Developer								
Detail design Tender proce Award contra Materials del Construction NTS connec NTS Capacity Proces Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3	Accept offer (i.e. sign ConsAg)	0 days	Thu 29/03/12	29	29/03								
Tender proces         Award contra         Materials del         Construction         NTS connect         Image: Construction         NTS Capacity Process         Licence/UNC Ca         Licence char         Capacity Au         Allocate         CURRE         Physical Reinfor         Planning Pr         Stage 1         Stage 2         Stage 3         Stage 4	uild Connection	890 days	Thu 21/12/17									L	
Award contra Materials del Construction NTS connect NTS Capacity Proces Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3	Detail design	26 wks	Thu 21/12/17	30,12									_N
Materials del Construction NTS connec NTS Capacity Proces Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 1 Stage 2 Stage 3	Tender process for MWC, materials etc	13 wks	Thu 24/01/19	32,17									
Construction NTS capacity Process Licence/UNC Ca Licence char Capacity Au Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3	Award contracts	4 wks	Thu 25/04/19	33,10									
NTS connect NTS Capacity Process Licence/UNC Ca Licence char Capacity Au Allocate CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 4	Materials delivery	52 wks	Thu 23/05/19	34									
NTS connect NTS Capacity Process Licence/UNC Ca Licence char Capacity Au Allocate CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 4	Construction phase	52 wks	Thu 21/05/20	35.45.43									
NTS Capacity Process Licence/UNC Ca Licence char Capacity Au Allocate CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 3 Stage 4	NTS connection complete		Wed 19/05/21										
Licence/UNC Ca Licence char Capacity Au Allocate CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 4		0 days	weu 19/03/21	30									
Licence/UNC Ca Licence char Capacity Au Allocate CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 4													
Licence char Capacity Au Allocate CURRE OURRE Physical Reinfor Planning Pr Stage 1 Stage 1 Stage 2 Stage 3	• •	2742 days	Fri 30/03/12			-							<u>,</u>
Capacity Au Allocate CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 1 Stage 2 Stage 3	icence/UNC Capacity Activities	1507 days	Fri 23/12/16										
Allocate CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 1 Stage 2 Stage 3 Stage 3	Licence change process (revenue drivers etc)	39 wks	Fri 23/12/16	30,52,10								NG NTS/Ofgem	m
CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 1 Stage 2 Stage 3 Stage 3	Capacity Auction/Application	911 days	Fri 05/04/19							1			
CURRE Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 1 Stage 2 Stage 3 Stage 3	Allocate NTS entry capacity	9 wks	Fri 05/04/19	18									
Allocate CURRE Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 3	CURRENT NTS exit capacity obligated lead time	182 wks	Fri 05/04/19										
CURRE Physical Reinfor Planning Pr Stage 1 Stage 1 Stage 2 Stage 3 Stage 4	Allocate NTS exit capacity	9 wks	Mon 05/08/19										
Physical Reinfor Planning Pr Stage 1 Stage 2 Stage 3 Stage 4		165 wks	Mon 05/08/19										
Planning Pr Stage 1 Stage 2 Stage 3 Stage 3 Stage 4	CURRENT NTS exit capacity obligated lead time			13									
Stage 1 Stage 2 Stage 2 Stage 3 Stage 4	hysical Reinforcement	2482 days	Fri 30/03/12										
Stage 1 Stage 2 Stage 3 Stage 3 Stage 4	Planning Process for NTS Reinforcement	1430 days	Fri 30/03/12			_						-	
Stage 2 Stage 3 Stage 4	Stage 1a - Produce Technical Options Report	26 wks	Fri 30/03/12	30		NG N	тs						
Stage 3 Stage 4	Stage 1b - Develop Strategic Options Report	26 wks	Fri 28/09/12	49,5		<u> </u>	NG NTS with key	stakeholders					
Stage 4	Stage 2 - Identify preferred route corridor	65 wks	Fri 29/03/13	50				NG NTS with key stakeholders and	general p	ublic			
Stage 4	Stage 3 - Compile CDS, EIA & sufficient detail for application	104 wks	Fri 27/06/14	51				· · · ·	-	NG NTS	ļ		
	Stage 4 - Submit application to IPC/MIPU	13 wks	Fri 24/06/16								NTS		
Conside	Consideration of application by IPC/MIPU	52 wks	Fri 23/09/16									-IPC/MIPU/SoS	•
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	Grant planning consent	0 days	Thu 21/09/17	54,10								21/09	
	Build NTS Reinforcement	1052 days	Fri 22/09/17										
Detail d	Detail design	52 wks	Fri 22/09/17	55									
Obtain e	Obtain easements etc for pipelines and AGIs	52 wks	Fri 22/09/17	57FF									
Constru	Construction phase	104 wks	Mon 07/10/19	43,45,58									
	NTS reinforcement complete	0 days	Fri 01/10/21	59									
DRAFT NTS Connections Plan	· · · · · · · · · · · · · · · · · · ·							***					

SUBJECT TO VERIFICATION OF LINE ITEMS, INTERACTIONS AND DURATIONS FOR ILLUSTRATION PURPOSES ONLY AT TRANSMISSION WORKSTREAM 7-JUL-11

## Potential Project Plan for NTS Connection & Reinforcement (subject to change)

