

AGL Gas Import Jetty

Consultation Summary
July 2017 to August 2018



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1. Executive Summary

AGL has undertaken a Stakeholder Engagement program, predicated on transparency and the sharing of information, that is used to develop consultation planning and capture feedback from interested parties. AGL have engaged with various local residents and special interest groups since the announcement of Crib Point as the preferred location, to ascertain the local community's sentiment toward the Project and identify any emerging issues they might have with the proposed development.

Consultation activities commenced with key community stakeholders in July 2017 prior to the preferred site selection being announced. And the thirteen month program has consisted of 20 open community information sessions and presentations to further distinct community groups

Key community inputs and outputs of this engagement have included

- Background noise monitoring extended to French Island and additional Crib Point areas following community consultation
- Representatives from Port Phillip Conservation Council, Western Port and Peninsula Protection Council, Westernport Seagrass Partnership, Phillip Island Conservation Society, Western Port Biosphere, Dolphin Research Centre and Phillip Island Nature Parks were provided consultation drafts for review and comment during draft stage
- AGL published draft environmental assessment reports to its project website. Community members, Environment Groups and science-based research organisations were invited to provide comment on the reports in advance of submission of this Referral.
- AGL has offered to fund an Independent peer review of technical work being organised through Balnarring residents with Save Western Port and Western Port and Peninsula Protection Council invited to participate.
- Western Port Seagrass Partnership providing input and peer review into design of baseline and monitoring follow up studies.
- Dolphin Research Centre published an article on their website with a peer review of science supporting the technical reports conclusions
- Independent Peer review of an inaccurate online article on FSRU BLEVE explosions undertaken and provided to the community
- Property report providing 30 years of property price trend data for suburbs with similar facilities provided to community in response to questions on property price impacts

AGL will continue to proactively work with the community so they are kept informed of Project updates and to address concerns as they arise.

2. Introduction

This report has been prepared to provide a summary of AGL's community engagement activities between July 2017 and August 2018. It describes AGL's engagement activities conducted to date and activities planned up to the project's Financial Investment decision.

As part of AGL's engagement activities, AGL sought submissions on the project's draft environmental technical reports and gave a commitment to include those submissions as a part of the project's engagement summary to go with the referral. Those are included in section 6.

Stakeholder engagement and negotiations with potentially affected landowners in respect of the Pipeline Project has been occurring as part of a separate engagement process run by APA to meet the legislative requirements of Victoria's *Pipelines Act 2005*. This consultation in respect of individual landowners on the Pipeline Project, is not reported on in this report.

2.1. Project Overview

AGL Wholesale Gas Limited (AGL) is proposing to develop a Liquefied Natural Gas (LNG) import facility, utilising a Floating Storage and Regasification Unit (FSRU) to be located at Crib Point on Victoria's Mornington Peninsula. The project, known as the "AGL Gas Import Jetty Project" (the Project), comprises:

- The continuous mooring of the FSRU at the existing Crib Point Jetty, which will receive LNG carriers of approximately 300m in length;
- The construction of ancillary topside jetty infrastructure (Jetty Infrastructure) including:
 - High pressure gas unloading arms
 - A high pressure gas flowline mounted to the jetty and connecting to a flange on the landside component to allow connection to the Crib Point Pakenham Pipeline Project (Pipeline Project).

There are several other activities that are related to the AGL Gas Import Jetty Project. These include the Jetty Upgrade and the Pipeline Project which are the subject of separate assessment and approval processes carried out by separate entities.

2.2. Project Site

The Project Site includes the landside component known as allotment 2040 The Esplanade, Crib Point (owned by Port of Hastings Development Authority) and the Crib Point Jetty. The Crib Point Jetty is situated on the coastline of Western Port, 65km south-east of Melbourne (Victoria) on the Mornington Peninsula. The landside component is within the Shire of Mornington Peninsula. The pipeline runs from the Crib Point Jetty to Dore Rd in Pakenham east through the areas of Hastings, Tyabb, Tooradin, Somerville, Cardinia, Rythdale and Pakenham East/Nar Nar Goon.



For the purposes of consultation the broader use of the waters of Western Port was also consider with consultation also occurring with stakeholders from French Island, Phillip Island and communities around Balnarring.

3. Community Profile

To provide the context for AGL's engagement activities, as well as to frame the community feedback and submissions received in respect of the Project, this section provides an overview of the region, including demographic information relating to the current and future population. Most of the data in this section is derived from the 2016 Census. This section also identifies the key community stakeholders in respect of the Project.

3.1. The Region

The Mornington Peninsula Local Government Area is located approximately 75 kilometres to the south of Melbourne, between Port Phillip Bay to the west and Western Port to the east.

The Project is located within Western Port, a large tidal bay opening into Bass Strait which incorporates around 260 kilometres of coastline. The bay features two large islands; French Island, predominantly agricultural, and Phillip Island, known for its tourism industry. Hastings and Crib Point are key urban centres on the coastline of Western Port and for more than 50 years have hosted a number of industrial sites, including petroleum refining and storage as well as gas and steel processing facilities. Hastings also features the main boat landing point in the bay. A submarine, HMAS Otama, is moored near Crib Point and further south is HMAS Cerberus, a naval base.

Western Port is also used for recreational activities such as fishing and boating. It has been listed as an international Ramsar site since 1982 with international significance for migratory birds¹. The high environmental, social and economic worth of Western Port is recognised further through the declaration of Western Port as an UNESCO Biosphere reserve and the presence of several Marine National Parks within the Ramsar site (Churchill Island, French Island and Yaringa).

3.2. Population

In 2016, there were 154,999 people living in the Mornington Peninsula LGA (see Table 1). Of these, 22,016 people lived in Hastings – Somers, and 3,183 people in Crib Point.

Crib Point had a high proportion of young people aged 19 years or younger compared with Mornington Peninsula and Victoria. However, Mornington Peninsula as a whole had a high proportion of older people aged 60 years and older. Retirement migration to the Mornington Peninsula is considered a key driver behind the aging of the population in the shire, especially on the southern Port Phillip coastal strip (Profile ID, 2015).

Table 1 Population and age profile

¹ <http://www.environment.gov.au/cgi-bin/wetlands/ramsardetails.pl?refcode=19>.

Locality	Population			Age profile (%)		
	2011	2016	Average annual growth rate 2011 – 2016 (%)	0-19 years	20-59 years	60+ years
Crib Point	2,839	3,183	2.3	26.0	53.8	20.1
Hastings - Somers	20,299	22,016	1.6	24.8	49.9	25.3
Shire of Mornington Peninsula	144,608	154,999	1.4	23.2	45.6	31.4
Victoria	5,354,042	5,926,624	2.1	24.3	54.8	21.0

Source: ABS 2011, ABS 2016

3.3. Key Stakeholder groups

Within the communities of Crib Point and Hastings (and the broader Western Port region) there is a network of community led environmental groups who take an active interest in development projects within the region. These groups include:

- Port Phillip Conservation Council (also Blue Wedges)
- Western Port and Peninsula Protection Council
- Westernport Seagrass Partnership
- Preserve Western Port Group
- Phillip Island Conservation Society
- Phillip Island Nature Parks
- Western Port Biosphere
- French Island Community Association

The following are the other community stakeholders identified by AGL in relation to the Project:

- The owner occupiers of Five properties on the Esplanade within proximity to the Project Site (located approximately 1.4km from the jetty head).
- The general population of Crib Point.
- The Crib Point Community House - Which delivers learning programs to enhance social and economic wellbeing
- The Crib and Stony Point Foreshore Committee – with oversight of the development of foreshore management plans and management of the caravan park at Stony Point.
- Crib Point Working Group – a community based group focused on the development of the Crib Point township
- The community on French Island - directly to the east of the Crib Point Jetty across Western Port.
- The Community of Hastings - while not directly impacted by the FSRU Project, it has an active interest in the project due to the pipeline path through Hastings and the conservation values and recreational uses of Western Port.
- Balnarring Community and surrounds
- Phillip Island Community

- *Save Western Port* - A new community action group formed as a result of the engagement process. This group consists of local residents and members of Western Port and Peninsula Protection Council and Port Phillip Protection Council. Their public profile consists of a Facebook page [No AGL gas terminus for Western Port](#), [Save Western Port website](#) and supporting twitter and Instagram accounts.
- Hastings Yacht Club
- Balnarring Yacht Club
- Crib Point Football and Netball Club
- Crib Point Cricket Club
- Crib Point Junior Football Club
- Crib Point Primary School
- St Joseph's Primary School Crib Point
- The Balnarring Pony Cub (and affiliated clubs and Crib Point facility users)
- Phillip Island Tourism and Business Association
- Nepean Greens
- Seafarers Association
- Committee for Gippsland
- Dolphin Research Centre
- Wildlife Coast Cruises
- Bunurong Land Council

4. Engagement Strategy

4.1. Community Engagement Commitments.

AGL's aspiration is to strive to make a net positive social, economic and environmental contribution to the communities in which we operate. Our vision is for AGL to be a trusted and respected member of the communities in which we operate and for community engagement to exceed baseline regulatory requirements.

We deliver this through our Community Engagement Commitments.

AGL will:

- **Be proactive:** we will engage with communities early and often, so that we understand and respond to their interests and concerns.
- **Be flexible and inclusive:** we will offer a range of engagement opportunities that are tailored to the variety of needs and preferences of the communities in which we operate.
- **Be transparent:** we will act honestly and ethically in all our dealings with the communities in which we operate.
- **Support our employees and contractors to engage well:** we will provide tools, peer support and training to enable our staff to deliver on our commitment.
- **Continuously improve our engagement:** we will evaluate the effectiveness of our engagement and modify it as needed to ensure that our activities address community needs and expectations.

4.2. Engagement summation

4.2.1. Phase 1: July to December 2017

In line with the Engagement Commitments stated in section 3.1, AGL commenced engagement with the community in July 2017 during the Projects Site selection stage. The engagement included initial conversations with representatives from Mornington Peninsula Shire Council, Western Port Seagrass Partnership, Western Port and Peninsula Protection Council and Western Port Biosphere.

Following the announcement of Crib Point as the preferred location, AGL engaged with the community more broadly through small community meetings in Crib Point, presentations to local yacht clubs and business groups and conversations with individual residents and the French Island Community. During this period, conversations in respect of the Project focused on:

- Highlighting the known potential environmental risks of the Project
- Outlining the process of how those risks were to be investigated
- Advising sweep dredging may be required in the berthing pocket but not the channel
- Giving a commitment to share technical reports with the community
- Being honest regarding worst case disaster scenarios
- Not overstating the employment benefits to the community

- Being clear about what AGL did not know yet
- Seeking input on areas of concern for the community

Engagement was supported by a Project website, fact sheet on the operation of an FSRU (also on the web) and the establishment of a Project email update stakeholders could subscribe to.

Community issues were strongly focused on environmental impacts (including noise, marine impacts (including the need for sweep dredging and RAMSAR impacts)) and employment opportunities. National energy policy and industrialisation of the area were also widely discussed.

Following community feedback during this phase of engagement, AGL:

- expanded noise monitoring to include French Island and examine existing United Energy noise issues
- Investigated the potential use of the old BP refinery land
- Considered the recreational use of Wooley's Beach & Shelley Beach in safety planning

During this phase of consultation, the draft Flora and Fauna Assessments, draft Marine Ecology Assessment, draft Visual Impact Assessment and draft Noise Assessments were shared with:

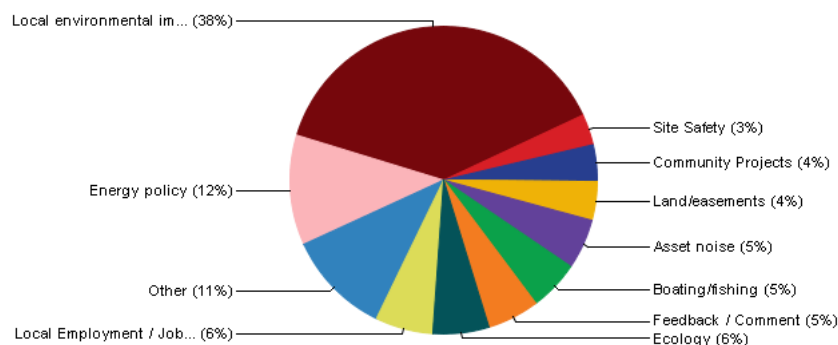
- Port Phillip Conservation Council (also Blue Wedges)
- Western Port and Peninsula Protection Council
- Westernport Seagrass Partnership,
- Phillip Island Conservation Society (also Preserve Western Port Group)
- Phillip Island Nature Parks
- Western Port Biosphere
- French Island Community Association

Engagement statistics

Community consultation is being recorded using Consultation Manager. Below is a summation of the number of times issues were raised in 'events' (conversations, emails, phone calls etc) and the distinct number of people who raised them during Phase 1 engagement.

Issues	Events	Stakeholders	
		distinct	total
<i>Local environmental impacts</i>	189	157	341
<i>Energy policy</i>	57	83	138
<i>Local Employment / Job enquiries</i>	30	105	123
<i>Ecology</i>	29	81	100
<i>Feedback / Comment</i>	27	16	27
<i>Boating/fishing</i>	26	91	105
<i>Asset noise</i>	26	74	94
<i>Land/easements</i>	20	90	103
<i>Community Projects</i>	19	102	116
<i>Site Safety</i>	16	117	129
<i>Other</i>	54	426	459
<i>[No Issues]</i>	80	138	222
Total Event search	428	236	754

Issues Raised - Total Events



4.2.2. Phase 2: January to August

4.2.3. 2018

2018 Consultation sessions

16 public consultation sessions were held during this phase.

22 January 2018: A community drop in session in Hastings was held with representatives of AGL and APA, and AGL’s environmental and marine consultants Jacobs and CEE Environment.

15 March 2018: A community drop in session in Cowes was held with representatives of AGL, and AGL’s environmental and marine consultants Jacobs and CEE Environment.

19 March 2018: Neil Burgess MP hosted a Public Meeting in Hastings. AGL was invited to present at this meeting.

28 March 2018: AGL hosted a ‘Technical Forum’ in Hastings attended by AGL and the technical experts who produced the technical reports.

4 April 2018: AGL held a town hall style presentation in Hastings which APA also attended.

19 April 2018: Neil Burgess MP hosted a Public Meeting in Blind Bight which AGL and APA attended.

2 May 2018: Crib Point Action Group hosted a public meeting in Crib Point which AGL attended.

17 May 2018: APA hosted a community drop in session in Cardinia which AGL also attended

22 May 2018: APA hosted a community drop in session in Na Na Goon which AGL also attended

25 June 2018: AGL held a town hall style presentation in Balnarring which APA attended.

19 July 2018: AGL Presentation to Crib Point Football/Netball/Cricket Club

27 July 2018: APA hosted a pipeline presentation in Balnarring also attended by AGL

28 July 2018: APA hosted a pipeline presentation in Hastings also attended by AGL

31 July 2018: APA hosted a pipeline presentation in Crib Point also attended by AGL

1 August 2018: APA hosted a pipeline presentation in Nar Nar Goon also attended by AGL

2 August 2018: APA hosted a pipeline presentation in Cardinia APA also attended by AGL

In 2018 the focus of AGL's community engagement activities in respect of the Project moved from discussing what the feasibility study was planning to investigate, to sharing with the community the outcomes of the investigations undertaken. By January, APA had contacted almost all property owners who were affected by the proposed pipeline easement alignment, allowing the pipeline route to be part of the information discussed with the community.

By early 2018 the preferred pipeline route had been finalised from Crib Point to Pakenham and the majority of property owners impacted by the proposed easement had been contacted by APA.

During this period AGL published the following draft reports on its Project website and provided copies to the key environmental groups listed in section 3.3.

- Environmental Noise Assessment
- Landscape and Visual Impact Assessment
- Air Quality Impact Assessment
- Historic Heritage Assessment
- Contaminated Land Assessment
- Hydrology Impact Assessment
- Assessment of Effects of Cold Water Discharge on the Marine Environment
- Chlorine in Seawater Heat Exchange Process at Crib Point
- Modelling and Assessment of Biological Entrainment into Seawater Heat Exchange System
- Social Impact Assessment
- Greenhouse Gas Emissions Assessment
- Aboriginal Heritage Due Diligence Assessment
- Desktop Flora and Fauna Assessment
- Plume Discharge from the LNG Facility at Crib Point
- Protected Marine Matters

Community stakeholders were invited to provide comment on these draft reports in advance of AGL's Environmental Effects Act referral. A deadline of 15 June 2018 was originally set by AGL for receipt of

stakeholder comments, however this was extended to 19 July 2018 at the request of a group of Balnarring residents. Comments received as part of this submission process are included in Section 5.

During information sessions community members raised concerns on the independence and impartiality of these reports given AGL had paid for the work. At the Balnarring Community Information Session on June 25 2018 AGL offered to fund an independent peer review of the work that would be coordinated by the community to provide some certainty on the validity of the reports. At the time of this submission this review has not progressed however AGL's offer is still in place.

In February 2018 AGL provided a briefing to Nepean Greens representative Paul Saunders, the Committee for Gippsland and Seafarers Association.

In February 2018 AGL also began to discuss the likely scenario model for the Project for the first five years of operation based on AGL's LNG tender process. AGL plans to purchase approximately 40 petajoules of LNG per year for five years, which equates to approximately 12 LNG tankers per year.

Following a commitment given at a March 2018 community meeting in Hastings, where questions on property value impacts were raised, AGL published a report that provided 30 year property value trends for suburbs that hosted Major Hazard facilities measured against metropolitan and regional averages.

In April 2018 AGL met with representatives from the Dolphin Research Centre and Phillip Island whale tourism operator Wildlife Coast Cruises regarding whale numbers and locations around Western Port. The two organisations run a community whale monitoring program around Philip Island

With each community consultation session, the issues of concern to the community became clearer. The issues of community concern which predominated during this phase of engagement can be summarised as follows:

- Increased industrialisation of Crib Point (and Western Port) leading to a change in amenity of the area
- Environmental impacts of FSRU operations and increased shipping on Western Port ecosystems
- Safety of the Project
- AEMO's Gas Statement of Opportunity and Australian Energy Policy.

General energy policy within the Australian gas market continued to be a topic of discussion in all forums. Particularly following the release of AEMO's Gas Statement of Opportunities in June 2018 which contradicted previous AEMO reports which forecast gas shortages for the East Coast market.

To answer questions regarding this issues AGL's General Manager Energy Supply and Origination, Phaedra Deckart attended the Community sessions in Balnarring (27 July 2018) and Hastings (28 July 2018) to discuss this topic and AGL's Gas Import project Lead attended the Crib Point (31 July 2018), Nar Nar Goon (1 August 2018) and Cardinia (2 August 2018) to also speak to this issue.

In response to issues on safety a representative from DNV-GL, international shipping risk assess and flag status and classification organisation and Poten and Partners, Shipping Brokerage firm began attending community sessions from the 25 June 2018 forward to answer specific questions on LNG safety. DNV-GL were also engaged to produce a peer review of an online article on FSRU Boiling Liquid

Expansion Vapour Explosions risk which had caused considerable angst in the community. The peer review, which found significant errors in the reports assumptions, methodology and findings was provided directly to members of Save Western Port, published online and sent out as a link in the projects updates and spoken about at community sessions.

During this period of consultation, it also became clear that the upper operating scenario of 78 ships per year in the Green House Gas report was causing concern that AGL was not being honest on upper operational limits. To address this, the 78 ship scenario was removed from the final report.

Concerns were also raised that AGL was trying to avoid scrutiny of cumulative impacts by lodging a separate referral to APA for EES and EPBC assessment. Both AGL and APA publicly confirmed a joint application in the APA community sessions in late January and early August.

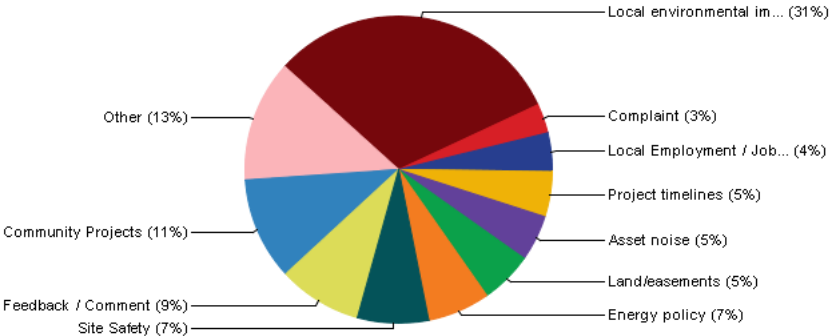
At the 25 June Balnarring information session AGL advised the project’s community fund would be \$7.5m in response to concerns that the project would not deliver direct benefits to the community. Conversations with various community members commenced in regards to the fund in July 2018.

Engagement Statistics Phase 2

Below is a summation of the number of times issues have been raised in ‘events’ (conversations, emails, phone calls etc) and the distinct number of people who raised them.

Issues	Events	Stakeholders	
		distinct	total
<i>Local environmental impacts</i>	395	305	664
<i>Community Projects</i>	136	162	272
<i>Feedback / Comment</i>	111	63	162
<i>Site Safety</i>	94	223	340
<i>Energy policy</i>	83	124	151
<i>Land/easements</i>	69	140	184
<i>Asset noise</i>	61	130	201
<i>Project timelines</i>	60	136	171
<i>Local Employment / Job enquiries</i>	51	189	223
<i>Complaint</i>	39	45	62
<i>Other</i>	161	782	911
<i>[No Issues]</i>	199	292	1454
Total Event search	1163	441	2779

Issues Raised - Total Events



4.2.4. Phase 3 August to December 2018

Following this referral AGL will continue to engage with the community on the project. Six community sessions have planned and promoted for September 2018.

Flinders - Friday 7 September

Cowes - Thursday 13

Somers - Saturday 15 September

Hastings - Tuesday 18 September

Tooradin - Friday 21 September

Crib Point - Tuesday 25 September

These sessions will be drop in style sessions attended by representatives from the following organisations:

- AGL
- Jacobs – project environmental consultants
- CEE – project marine ecologist
- Port of Hastings Development Authority
- The Harbour Master (Victorian Regional Channels Authority)
- Australian Maritime Safety Authority (AMSA)
- DNV-GL
- Potens & Partners
- APA

The intent of these session is to provide access to:

- the projects marine ecologist and environmental consultants to allow further conversation on technical studies
- Port of Hastings Development Authority, the Harbour Master and AMSA to allow questioning on issues raised such as, mooring studies, safety of shipping movements and exclusion zones, enforcement of flag status safety requirements and other shipping safety and Port operation matters.
- DNV-GL and Potens and Partners to discuss process of Qualitative Risk Assessment and LNG safety.

At these sessions:

- AGL will be displaying a 3D animation of the FSRU and onshore facility to highlight visual impacts from a range of locations around Western Port.
- DNV-GL will be showcasing the QRA software used to run different disaster scenario analysis.
- APA will be displaying a full GIS alignment of the proposed pipeline route.



The Western Port Seagrass Partnership declined to make a submission on the technical assessment reports on the basis that they were comfortable with the science. However they offered to provide a Peer review of the proposed second stage baseline and monitoring studies AGL is considering and were keen to discuss opportunities to share this science. AGL will continue engagement with the Seagrass Partnership to further these conversations.

Following the QRA process AGL will schedule a series of community events to discuss the findings and outcomes of the QRA process. This is expected to occur in early 2019.

If AGL makes a final investment decision to proceed with the project, the company will establish a community drop in facility in Hastings, through the leasing of a shop or office space, to provide an easily accessible forum to ask questions and learn about the project.

Work will also continue to develop the project's community fund through a series of community meetings and forums to establish the funds function and structure, so it can commence at project FID.

5. Engagement activities

Below is an overview of key engagement activities that have occurred and are scheduled on the Project.

In summary, this engagement has involved:

- Community Drop in Sessions
- Stall at that Crib Point Community market
- Information sessions
- Community meetings
- Community presentations
- Briefings of councils, community groups and peak bodies
- Briefings with residents living in the immediate vicinity of the Crib Point Jetty
- Establishment of a website for stakeholder engagement: <http://www.engageagl.com.au/>.

Date	Activity	Comment
July 2017		
11	First meeting with Westernport Seagrass Association representative	
12	Frist meeting with representatives of Crib Point Community House, Crib Point Foreshore Committee, Westernport Biosphere and Western Port and Peninsula Protection Council	
mid	Briefing to Mornington Peninsula Council CEO	
mid	Briefing to Bass Coast Council CEO	
20	Project Website online	
August 2017		
10	Crib Point announced as preferred location	
23	Resident meeting with 5 properties closest to project	

23	Project Presentation - Crib Point Community House	Organised by moderator of No AGL Gas Terminus for Crib Point Facebook page – approximately 10 attendees
30	Presentation to Bass Coast Councillors and Executive	Formal meeting of Council
30	Project Presentation – Crib Point Community House	Organised through Crib Point Community House, Crib Point Facebook and Neil Burgess MPs office - approximately 35 attendees

September 2017

6	Presentation to Mornington Peninsula Shire Councillors and Executive	Formal meeting of Council
7	Briefing to Hastings Yacht Club members	
10	Briefing to Westernport yacht club members	
11	Briefing to representative of Port Phillip Conservation Council	
26	First meeting with representative of Phillip Island Conservation Society and Preserve Western Port Action Group	

October 2017

5	Presentation to Phillip Island Tourism and Business Association	
12	Presentation to Port of Hastings Consultative Committee	
16	French Island Community Briefing	
19	Meeting with Maritime Museum (Westernport Oberon Society)	Across the road from Project Site
30	Presentation to Port Phillip Conservation Council (PPCC) AGM	Invited by PPCC

November 2017

3	Briefing to planning team at Cardinia Shire Council	Focus on pipeline
8	Project Update 1 sent to subscribers	
8-10	Draft Flora and Fauna, Marine Ecology and visual impact reports shared with Port Phillip Conservation Council, Western Port and Peninsula Protection Council, Westernport Seagrass Partnership, Phillip Island Conservation Society	
11	AGL stall at Crib Point market	
14	Briefing to staff at Phillip Island Nature Parks, provided draft Flora and Fauna, Marine ecology and visual impact reports	
29	Briefing to City of Casey Engineering team	Focus on pipeline
December 2017		
January 2017		
10	Port Phillip Conservation Council, Western Port and Peninsula Protection Council, Westernport Seagrass Partnership, Phillip Island Conservation Society provided draft Cold Water Plume Modelling, Air Quality and Noise reports	
15	Phillip Island Nature Parks provided draft Cold Water Plume Modelling, Air Quality and Noise reports	
19	Meeting with representative of Crib Point Foreshore Committee	
22	Community Drop in session Hastings	Approximately 200 Attendees. Invite sent via Australia post to all houses in Crib Point, Hastings, Bittern
25	Representative from Crib Point Foreshore Committee and Dolphin Research Institute provided drafts of Cold Water Plume Modelling, Air Quality, Noise reports, Flora	

and Fauna, Marine ecology and Visual Impact reports.

February 2018

2	Briefing to Committee for Gippsland	Onsite Presentation at Crib Point
2	Project Update 2 sent to subscribers	
6	Meeting with Nepean Greens	Provided all draft environmental reports completed to that time
6	Meeting with Seafarers Association	Discussion on ship access
9	Draft Environmental Noise Assessment, Landscape and Visual Impact and Air Quality Assessment published on the AGL Project website	

March 2018

15	Community Information session – Phillip Island	Approximately 13 people attended
19	Neil Burgess MP hosted Hastings public meeting – AGL presented	Approximately 20 people attended
28	Community Information session (Technical Forum) – Hastings	Approximately 15 people attended

April 2018

4	Community Town Hall – Hastings	Approximately 50 people attended
19	Neil Burgess MP hosted Blind Bight public meeting – AGL presented	Approximately 50 to 60 people attended
24	Meeting with convenor of Western Port Warrior Women	
Late	Project update 3 sent to subscribers	

May 2018

2	Crib Point Working Group Community Session	Approximately 50 people attended
17	APA community information session – Cardinia. AGL attended	Approximately 50 people attended

22	APA community information session – Nar Nar Goon. AGL attended	6 people attended drop in session
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June 2018

25	Balnarring Community Event	200 people attended a town hall style presentation in Balnarring, AGL, APA and DNV-GL representatives were available for Q and A.
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29	Project update 4 sent to subscribers	
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July 2018

5 July	Meeting with Environment Victoria re project GHG emissions	
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19 July	Presentation to Crib Point Football/Netball/Cricket Club	Approximately 50 people attended
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	Meeting with Bunurong Land Council re community fund.	
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	Presentation to Dolphin Research Centre Staff	
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27	Balnarring APA pipeline presentation also attended by AGL	Approximately 150 people attended
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28	Hastings APA pipeline presentation also attended by AGL	Approximately 30 people attended
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31	Crib Point APA pipeline presentation also attended by AGL	Approximately 50 people attended
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August

1	Nar Nar Goon APA pipeline presentation also attended by AGL	6 people attended
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2	Cardinia APA pipeline presentation also attended by AGL	Approximately 25 people attended
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Mid	Initial round table discussion on Community fund with early reference group.	
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September

3	Project Update 5
TBC	Independent Peer review follow up consultation
7	Flinders Drop in Session Crib Point Drop in Session
13	Cowes Drop in Session
15	Somers Drop in Session
18	Hastings Drop in Session
21	Tooradin Drop in Session
25	Crib Point Drop in Session

October

TBC	Project Update 6
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November

December

Community visioning Process on
Community Fund

6. Community Submission

The following submissions were received from community organisations and individuals following a public invitation for feedback and comments on the projects technical reports. Names have been removed for Privacy reasons

AUSTRALIA

Email - in

18 Jun 2018

Jay Gleeson

Community Relations Manager, Strategic Projects
AGL LNG Import Jetty Project

Westernport and Peninsula Protection Council (WPPC) is a volunteer, not-for-profit environmental group, that was founded in 1971.

We submit that the need for this project has not been demonstrated. AGL has dishonestly told the public that this project is necessary because "there is a shortage of gas". The Victorian Premier, Daniel Andrews made it very clear on ABC Radio's Jon Faine program on 29 May that there is no shortage of gas in Victoria, because we produce 405 petajoules per year but use "just over 200 petajoules each year".

This project is just a cynical and immoral plan by AGL to make money out of the Australian public, a company which exports Australian gas from Queensland and now wants to re-import Australian gas to Victoria for huge profit.

The Flora and Fauna Assessment (Draft) produced by Jacobs on 18 April 2018 contains a lot of inaccurate and misleading data, which only distract from the potentially important impacts on endangered species. It lists species which have never been found within 100s of kilometres of Westernport, such as Smoky Mouse, Wandering Tattler, Little Curlew, Fleshy-footed Shearwater, Painted Honeyeater, Pin-tailed Snipe and Swinhoe's Snipe. Also, most of the Albatross species have never been seen in Westernport Bay, and the marine turtles have never been seen alive in Westernport. About once every 10 years, a marine turtle turns up **dead** in Westernport! Listing these species in this report is sloppy science and just a distraction from potentially important environmental issues.

Endangered Species Which Occur at Crib Point

The following species of vertebrates are listed as threaten under the Federal EPBC Act and frequent Crib Point or have been known to have occurred at Crib Point;

- Southern Right Whale

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- Humpback Whale
- Far Eastern Curlew
- Curlew Sandpiper
- Fairy Tern
- Orange-bellied Parrot
- Swift Parrot
- Great White Shark

The fish species, Mangrove Goby and Australian Grayling may also occur.

Potential Impact on Marine Species

The impact on marine species of an output of up to 450 million litres of sterilised (“dead”) cold water per day, continuously for a week is completely unknown. Apart from the temperature difference, there is a large amount of ‘dead’ water, with all marine life removed (including plankton). How will this impact on;

- The marine invertebrates which live in this area, including the endangered Crib Point Ghost-shrimp?
- The whales, fish and birds which feed in this area?
- The nearby mudflats and seagrass beds?

Potential Impact on Endangered Bird Species

The EPBC listed species Fairy Tern breeds in Westernport and feeds on the sea surface along both the west coast of French Island and the coast from Stony Point to Hastings. Although this species is mentioned on page 28 of the Flora & Fauna Assessment report (**3.4.2. Threatened Fauna**) the report does not mention that the species feeds on the sea in this area.

Far Eastern Curlew and Curlew Sandpiper are both listed as “Critically Endangered” under the EPBC Act. Both species are known to feed on mudflats at Woolley’s Beach, immediately adjacent to the Crib Point jetty. The species list in Appendix B of the report lists their “Likelihood of occurrence” (pages 47 and 49) as “NA”. No key is given to explain the meaning of “NA”, which could mean “Not Available”, or “Not Applicable”. The effect of a large amount of dead and cold water on the seagrass beds and marine invertebrates which inhabit the mudflats next to the Crib Point jetty – and thus the birds which feed in this area – is unknown.

Swift Parrots have been recorded feeding in similar areas to the Crib Point site in Westernport and could occur on the site. Fortunately, this species also feeds in planted Eucalypts, so habitat can be restored or created which is suitable for Swift Parrots.

Orange-bellied Parrots have been recorded feeding in similar areas to Crib Point along the Westernport coast (coastal saltmarsh and Atriplex bushes) and could potentially occur. However, this species is now in such low numbers in the wild (less than 40 birds in total), that the potential for them to occur at Crib Point is low.

Marine Pests

Westernport has a very diverse marine invertebrate fauna (over 1300 species), a large percentage of which are only found in SE Australia and some species which are largely restricted to Westernport, such as Short-gilled and Crib Point Ghost-shrimp and the Mangrove Goby. The bay has very few marine pests, compared with Port Phillip and the Derwent Estuary (Hobart). Introduced marine pests can cause devastation to native marine species, as seen by the effects of massive numbers of Northern Pacific Sea Stars in Port Phillip Bay, considered to be responsible for a drop in more than 20% in fish stocks in Port Phillip Bay (Greg Parry, Marine Science Laboratories.) The Australian government has recently introduced regulations which prohibit ships from changing their ballast water in bays and coastal areas, instead requiring them to do so while some Kms off the Australian coast. This regulation is intended to minimise the risk of marine pests being introduced through the ballast water from foreign ports. Who is going to police this regulation in Westernport? Is the risk to our diverse and fragile marine ecosystem worth it, for a short-term gain in profits for AGL?

Foreign Flagged Ships

AGL has indicated that they are likely to use foreign flagged ships to transport LNG to Westernport, as "they are cheaper". Our concern is that safety compliance is much less rigorously enforced in foreign flagged ("flags of convenience") ships than Australian flagged ships, leading to a greater possibility of dangerous incidents, such as equipment failure, fugitive emissions, etc. In addition, compliance with Australian ballast water regulations may not be rigorously applied. This is of great concern in Westernport, where there is little government scrutiny of shipping.

Fire & Gas Safety

AGL have not adequately explained in their reports how they could safely deal with the following scenarios;

- Venting or 'boil off' on an extreme hot day, with a bushfire at Crib Point. The Crib Point bushfire in January 2016 went right over the Crib Point jetty easement and burnt both the north and south sides of the easement. If the FSRU was required to vent during a bushfire event, Crib Point residents could be in great danger.
- Venting during a cold day, with people fishing in small boats nearby. On a cold day, vented gas would drop to sea-level and spread out on the surface of the water. What would happen to a fisherperson in their boat 100m away, who lights up a cigarette?
- Fugitive gas escapes, from a valve fail or coupling fail.
- Mooring line breaks during a severe storm.

The Mumbai FSRU safety report considers that there is a risk of a BLEVE from the facility. Why does AGL discount this as a potential risk?

Emissions from the FSRU

AUSTRALIA

While AGL reports have discussed emissions to the air, I could find no reference to how they propose to deal with:

- Sewage,
- Drainage and stormwaters,
- Firewater (from regular test releases),
- Wash waters and oily water,
- Hydrostatic testing water.

AUSTRALIA

Email - in
11 Jul 2018

Dear Mr Gleeson,

I am very concerned about a report that AGL would like to build a gas import facility at Crib Point in Western Port Bay. If this facility was built it could threaten the outstanding environmental and recreational values of this area.

Western Port Bay is a vital breeding ground for many species of fish and invertebrates as well as providing essential food for many of our migratory birds. Being so close to Melbourne makes it an extremely valuable recreational resource. Thousands of people enjoy holidaying around the bay to enjoy its beauty, observe its wildlife and other natural features and take part in recreational pursuits such as swimming, boating, fishing, walking, etc.

Much of this could be destroyed for generations to come if this facility was to be built. I believe there is a very real possibility of chlorine spilling into the water. This would have a toxic effect on animal and plant life. There is also the possibility of an oil spill. We know from oil spills that have occurred in the past the devastating effects these have on the surrounding environment for the plant and animal life as well as the loss of enjoyment by people who live and holiday in these areas.

I therefore request that you abandon this very ill advised project.

Yours faithfully,

AUSTRALIA

Email - in
06 Jul 2018

Dear Mr Gleeson,

Having attended the AGL information evening at Balnarring Hall last week, I write in opposition to the proposed floating gas terminal at Crib Point. This project poses unacceptable threats to our precious natural environment and unreasonable impacts to high producing farms that we rely on for food. In a token gesture AGL have offered 7.5 million dollars to the community to compensate. It is important that both AGL and the State and Federal Government understand that our natural heritage is priceless. Having gained further insight into the scale and impact of this project, it is incomprehensible that last week's information session is the first that has been held here. The lack of public consultation from AGL has meant that many residents are only learning about this project now. The meeting highlighted a multitude of serious environmental and social concerns. To skim over just a few: the average of 450,000 litres of chlorinated water that will be pumped back into Western Port Bay daily for the first 5 years and probably more after that. This is nutrient rich sea-water you want to take from Western Port that will be returned to the Bay chlorinated, well below freezing and stripped of nutrients and biome. I am concerned about the long term effect this will have on the health of the entire Western Port biosphere. Another major concern is the clearing of vegetation and drilling that AGL proposes through RAMSAR listed wetlands. This is unacceptable. Another major issue is the release of ballast water from international ships bringing pests that could threaten the fragile ecosystems of Western Port Bay, we have seen this in Port Phillip Bay with the Northern Pacific Starfish. At the very least this project requires an independent environmental impact assessment. AGL does not have a clean track record when it comes to environmental care as evidenced by the breaches in the Camden Gas Project to name just one example. It is astonishing that big business continues to see the resources of the natural world as being there for the taking without concern or consideration for the environment or local people. To not consult community wholly, to not have a plan to offset the greenhouse gas emissions generated by this project or propose repair or donation of land to replenish the areas that would be compromised by this project is anathema to me. We will strongly and tirelessly urge the State Government to reject this proposal and to invest our taxes into clean renewable energy that can carry us into a sustainable future without harming what we value most. Our community vehemently rejects this proposal.

Yours Faithfully,

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AUSTRALIA

Email - in
13 Jun 2018

I Attended the Bass Coast Connection Meeting today & Don't like the Risk factors Stats on Human Life & Sea Life. It comes at a High Risk for all factors. Not to Sound Nervous " I would not live so Close to that Installation As I have worked on & With LNG Projects & evacuate staff as an E.S.O. from a Gas Leak. Was not fun.

I believe the safety margins for all KPI's and Reg's are still to close for possible disaster of life.

AUSTRALIA

Email - in
10 Jul 2018

Dear Ms Gleeson,
I am concerned about the proposed Crib Point gas import terminal.

It seems an economic nonsense for the country that we are spending a vast amount of money being able to import gas (Internationally or from other States) whilst at the same time exporting more than half our gas from existing Victorian oil and gas fields. Governments need to take control of the industry and make logical decisions for the nation.

There are a number of specific risks associated with the project which can be avoided by its deferral. These include:

The high level of chlorine released into the seawater which is above recommended levels.

Increased greenhouse impacts due to all the shipping and processing incurred

Increased costs to the system due to the high costs of the process, transport and the infrastructure costs

Higher risk of spills due to the increased shipping traffic in the area and related cleaning and transfer of noxious materials from other regions

Damage to the surrounding areas during construction and ongoing in the surrounds including the Ramsar wetlands.

Could you please pass on my comments to your senior management and discuss other alternatives to avoid the construction of this project.

Regards

BALNARRING VIC
AUSTRALIA

Email - in
05 Jul 2018

Dear Mr Gleeson,

Having attended the AGL information evening at Balnarring Hall last week, I write in opposition to the proposed floating gas terminal at Crib Point. This project poses unacceptable threats to our precious natural environment and unreasonable impacts to high producing farms that we rely on for food. In a token gesture AGL have offered 7.5 million dollars to the community to compensate. It is important that both AGL and the State and Federal Government understand that our natural heritage is priceless. Having gained further insight into the scale and impact of this project, it is incomprehensible that last week's information session is the first that has been held here. The lack of public consultation from AGL has meant that many residents are only learning about this project now.

The meeting highlighted a multitude of serious environmental and social concerns. To skim over just a few: the average of 450,000 litres of chlorinated water that will be pumped back into Western Port Bay daily for the first 5 years and probably more after that. This is nutrient rich sea-water you want to take from Western Port that will be returned to the Bay chlorinated, well below freezing and stripped of nutrients and biome. I am concerned about the long term effect this will have on the health of the entire Western Port biosphere. Another major concern is the clearing of vegetation and drilling that AGL proposes through RAMSAR listed wetlands. This is unacceptable. Another major issue is the release of ballast water from international ships bringing pests that could threaten the fragile ecosystems of Western Port Bay, we have seen this in Port Phillip Bay with the Northern Pacific Starfish.

At the very least this project requires an independent environmental impact assessment. AGL does not have a clean track record when it comes to environmental care as evidenced by the breaches in the Camden Gas Project to name just one example.

It is astonishing that big business continues to see the resources of the natural world as being there for the taking without concern or consideration for the environment or local people. To not consult community wholly, to not have a plan to offset the greenhouse gas emissions generated by this project or propose repair or donation of land to replenish the areas that would be compromised by this project is anathema to me.

We will strongly and tirelessly urge the State Government to reject this proposal and to invest our taxes into clean renewable energy that can carry us into a sustainable future without harming what we value most. Our community vehemently rejects this proposal.

Yours Faithfully,

AUSTRALIA

Email - in

15 Jun 2018

14.06.2018

Dear Jay,

Several members of our society have read through the 14 draft reports on your Engage AGL page. We wish to make the following comments:

1. Noise: there is no guarantee that a LNG tanker will not dock at night and transfer operations take place, leading to noise pollution for the nearby vicinity.

2. Landscape and Visual Impact Assessment: the photo montages clearly show the size of the vessel as large and intrusive on the water from many vantage points. There is no way of screening ships at a dock, and later reports state that there is no intention of further planting of the AGL site which could render the site less sterile and ugly.

3. Contaminated land assessment: the report appears to be a desktop exercise, where contaminants such as metals, some hydrocarbons, PCBs and PFOs were found to be present. The report states that accepted practice will be adequate to deal with these contaminants. That is very little comfort for people living nearby.

4. Hydrology Impact Assessment: admits that they need more information to judge impact.

5. Assessment of effects of coldwater discharge on marine ecosystems at Crib Point. This largely desktop exercise relies heavily on data from the Western Port Bay Environmental Study. Excellent as this study was at the time, it is now around 50 years old.

6. Chlorine in seawater heat exchange process at Crib Point. PICS regards chlorine as a strong poison in the marine environment.

7. Biological Entrainment into Seawater Heat Exchange Systems: Another largely desktop report that admits that the planktonic population are currently undocumented. How can decisions about effect be made under those circumstances? This paper also states that there is not enough information on quantity of operation to make a call on the effects of the operation of the Heat Exchange System. There is also a statement that mangrove propagules do not travel far. We have an example of Phillip Island right now, when mangrove seedlings are washing up on Anchorage Beach, on Phillip Island's west coast. The nearest mangroves to this beach are at Rhyll Inlet, some kilometres away. Seagrass is an interesting case as it is now recovering in parts of Western Port after many years of dieback. Being so close to the berth, it has the potential to block up the intake screen with drifting seagrass detritus.

8. Social Impact Assessment. Under Potential impacts requiring management there is no mention of fire or explosion which we know is a

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concern for people in the immediate area. The assumption that one tanker per week is going to contribute to energy security is probably drawing a long bow. And where is the evidence that more gas coming on line will result in lower power bills for financially disadvantaged people? Power bills do not go down by substantial amounts, they usually go up. We note that no community consultation was done for this report which also largely ignores the views of other Western Port dwellers on industrial proposals for the bay.

9. Greenhouse gas emissions assessment: Although obviously producing considerably lower emissions than brown coal, LNG certainly produces substantial greenhouse gasses compared with renewable energy sources. Why doesn't AGL pursue these instead?

10. Aboriginal Heritage Due Diligence Assessment: There is no evidence that the local Indigenous population were consulted for this report – yet another desktop exercise. We wonder if AGL has a Reconciliation Action Plan?

11. Flora and Fauna Assessment: Although this report did include some field work, we note that the fauna survey was only 6 hours – a clearly inadequate amount of time to do a fauna survey. Parts of the subject land contain vegetation of value, while annual slashing of other areas is apparently impeding the growth of indigenous species. There is no clear indication of how these vegetation areas will be managed in the future. The photo of the site from 1964-65 clearly shows healthy coastal vegetation either side of the site, which presumably was cleared of more such vegetation to develop the port facility. PICS does not want to see this happen ever again in Western Port.

12. Plume modelling of Discharge for LNG facility: 450,000 Kl/d is a huge amount of water being discharged into a relatively small area on the assumption – based on modelling only – that the tidal flow will distribute the plume and have no effect on the local biota. We note also that there is only 2.6m clearance between the bottom of the FSRU and the seabed when the vessel is loaded at low tide. This is very little clearance in extreme conditions. Where is the guarantee that dredging will not be undertaken to increase this clearance?

General Comments:

a) We read that AGL, having facilitated the production of these largely computer modelled reports, will be lodging “a referral to the Minister for Planning mid-year, who will make an assessment to determine whether an EES is required for the FSRU”. We consider that given the inadequacies of the reports and their draft nature, and given the untried nature of the project in this state, that an Environment Effects Statement which includes substantial sampling and field work is a necessity.

b) PICS is totally against the industrialisation of Western Port, and always has been. Western Port is an extremely sensitive and rich environment,

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with many whales visiting each year including endangered Southern Right Whales. The proposal is not just a shipping exercise, but is an industrial development involving risks to the environment of Western Port biota, especially in the area near the Crib Point jetty, and will almost certainly result in visual, light and noise pollution and undiscussed risks for people in the area. There is also potential for fire, explosion and pipeline leaks on the site which have not been considered in the reports.

Thank you for considering our comments.

Yours sincerely,

AUSTRALIA

Email - in
12 Jun 2018

I am writing to register my protest at your company's proposal to build a floating gas terminal and pipeline at and from Crib Point.

You will destroy an environmentally sensitive area and put countless people and properties at risk, all in the pursuit of greater profits for the faceless, foreign owned corporation that pays your salary.

Shame on you and all involved.

Kind regards

AUSTRALIA

Email - in
13 Jun 2018

Hi,
My name is (redacted) I am a resident of Crib Point and I wish to voice my concerns with regard to the proposed AGL Gas Project. I attended the Crib Point meeting a few weeks back and was devastated by what I heard. If this project is to proceed it will have a significant impact on me, and my family's mental and physical health and well-being. My two children and I moved into Crib Point ten years ago. We bought our house in (redacted) and it has become our safe and stable home. To hear that we will be impacted by noise and visual pollution and the risk of fire and possible explosion has distressed the three of us immensely. We have been considering the fact that we may have to sell our home immediately to avoid a reduction in value of this asset should this project proceed. We are also extremely concerned for the preservation of the local environment and I was not convinced by the response by AGL at the meeting that there has there had been any specific research into the ecological impact of the FSRU on its surrounds and beyond. We think that it is irresponsible to consider bringing a gas processing unit into our pristine, ANSAR listed and UNESCO Biosphere Designated Westernport Bay without thorough investigation of the specific circumstances and environmental impacts in consultation with qualified environmental professionals We also think that this is a short sighted solution which will have a long term affect on us and the wider environment. We would also like to add that we have been discussing this project with people in the broader community and most people have not heard about it. Why are the plans not being shared at least across the Mornington Peninsula and through to Pakenham ? I look forward to your considered response.
Yours sincerely,

AUSTRALIA

Email - in
15 Jun 2018

**Victorian National Park Association submission into the AGL Gas
Import Jetty
Project
Crib Point Project draft Floating Storage and Regasification Unit FSRU
studies
Friday 15th June**

The Victorian National Parks Association (VNPA) is a leading community conservation organisation and has been advocating for the protection of

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Victoria's biodiversity for over 60 years. We thank AGL for this opportunity to comment on the Crib Point Project and look forward to being engaged in the process.

VNPA's overlying concerns with the project are the potential negative direct and cumulative impacts on the local marine communities and specific species within Western Port Bay. The Bay is a high value conservation area and includes Phillip Island Nature Park, French Island, Churchill Island &

Yaringa Marine National Parks. Western Port Bay is also listed as a wetland of international importance under the Ramsar Convention and is of high significance to migratory birds, among many other species. The Western Port Ramsar Site contains one of the largest expanses of saltmarsh in Victoria and the mangrove areas comprise a single species which represent some of the most southerly extents of the species globally. Further information about the value of Western Port can be found here: [http://vnpa.org.au/wp-content/uploads/2017/02/ACF-Ecosystem-services-of-](http://vnpa.org.au/wp-content/uploads/2017/02/ACF-Ecosystem-services-of-Western-Port-Bay.pdf)

[Western-Port-Bay.pdf](#)

We support that the following reports and assessments have been completed and are being provided for community review:

- Environmental Noise Assessment
- Landscape and Visual Impact Assessment
- Air Quality Impact Assessment
- Historic Heritage Assessment
- Contaminated Land Assessment
- Hydrology Impact Assessment
- Social Impact Assessment
- Assessment of Effects of Cold Water Discharge on the Marine Environment
- Chlorine in Seawater Heat Exchange Process at Crib Point
- Modelling and Assessment of Biological Entrainment into Seawater Heat Exchange System
- Greenhouse Gas Emissions Assessment
- Aboriginal Heritage Due Diligence Assessment
- Desktop Flora and Fauna Assessment

We would particularly like to comments on the following assessments:

Chlorine in Seawater Heat Exchange Process at Crib Point

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We have concerns about the levels of Chlorine that will be released into the surrounding seawater as a by-product of the plant defouling processes. The assessment suggests that of the two processes of discharge of the seawater, only one will reach environmentally safe concentrations within the area

of the discharge. The other would require further dilution.

Some of our concerns around this are which method will be used, and the impact that the released Chlorine will have on species in the water column and the sea floor, if not monitored well to be within safe levels.

Assessment of Effects of Cold Water Discharge on the Marine Environment

This assessment states that:

“The difference in temperature between the inlet seawater and outlet seawater is initially about - 7°C”. We realise there has been preliminary study completed looking at the impacts from cool water discharge using a single (or 2 double) port discharge and multiple. It is unclear about what the

impacts on a range of marine species would be given the radius of impact from the discharge point can be large.

Greenhouse Gas Emission

We want to ensure carbon emissions assessments have been considered appropriately in the entirety of the project.

Desktop Flora and Fauna Assessment

Due to the potential for EPBC and FFG listed species to occur in the project area we would like to see a more comprehensive assessment of flora and fauna to determine the impacts that the project may have.

Other risks

The scope of the assessment that has been provided suggest the significance of this project and also suggests the need for further assessment. There appears to be some gaps and we wish to seek further information in the following areas:

Oil & other fuel risk

There does not appear to be an assessment of oil and other fuel risk (even if carried on ships in small amounts) including spills, accidental discharge or explosion and their impacts on species within Wester Port. This is something we have done extensive research on, in which the results from our work can be found below:

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Oil spill impacts on Western Port bird species

<http://vnpa.org.au/wp-content/uploads/2017/02/Pr-HS-Media-Backgrounder-Oil-spill-impacts-on-Western-Port-bird-species-10042014.pdf>

Oil spill impacts on Western Port seagrass, mangrove and saltmarsh

<http://vnpa.org.au/wp-content/uploads/2017/02/Pr-HS-Media-backgrounder-Western-Portseagrass-mangrove-saltmarsh-10042014.pdf>

Shipping oil spill impacts on Western Port Bay

<http://vnpa.org.au/wp-content/uploads/2017/02/Pr-HS-Media-backgrounder-Western-Portshipping-spill.pdf>

Quantitative assessment of exposure risks due to oil spills from shipping in Western Port Bay

<http://vnpa.org.au/wp-content/uploads/2017/02/Pr-HS-Quantitative-assessment-of-oil-spill-risks-in-Western-Port-Bay.pdf>

It is not clear from your documentation if any of the ships proposed to be used, particularly those supplying the LNG will have oil in small amounts as fuel or other operational needs, and how this will be managed. It is also not clear of the impact of an LNG leakage in the water or otherwise and we would like to see further assessment of this.

Shipping

Another concern we would like to address is the increase in shipping levels coming into Westernport Bay from supplying the FSRU. In the incidence of collisions, animal strikes, spills or accidents from increased shipping a question

we have is how will this be managed whilst also protecting other uses of Westernport Bay. In the case of catastrophic accidents, what is the total cost of clean-up and what levels of bonds will be required to cover these.

We feel that with the current gaps and some unanswered questions, that this project will have significant impacts on the environment of Western Port and should not go ahead. If it is decided for the project to proceed, it shouldn't be without the highest level of significant assessment, and include cumulative impacts of other ships and regulatory tools and responses required to ensure any impacts are significantly minimised, further than what has already been supplied. A full Environmental Impact Study should be included in this.

AUSTRALIA

We support many of the local community groups that have also put in submissions to this project and share many of their views.

Thank you for the opportunity to comment on this project and the levels of assessment that has been completed so far. We are happy to discuss any concerns or questions you may have further. For further contact information please contact:

AUSTRALIA

Email - in
20 Jun 2018

To Whom it May Concern,

I wish to raise a strong objection to your plan to launch a pipeline initiated at the Crib Point site.

Your environmental assessment has been lambasted by experts, your risk assessment rejected by your own team after releasing there are significant errors and gaping holes.

The consistent approach of corporations to conduct business in this manner in locations of low socio economic status amounts to nothing more than human rights abuse.

Your inability to host a meeting in the actual town where you propose to build your pipeline is a clear indication of the fact you are unable to engage in appropriate dialogue with the community.

Our objections will continue to be raised, but I request that you host an appropriate session with clear and updated information in the community that it impacts.

Regards,

AUSTRALIA

Email - in
18 Jun 2018

Dear Jay
Regarding the AGL proposal to locate and operate an FSRU at Crib Point

My concerns over this project, and which have not been assuaged by the current documentation on the website, include that there:

1. is a real risk of an explosion through either equipment malfunction or atmospheric event.
2. will be effects on the marine life due to the discharge of sterile chlorinated cold water into the Westernport Bay.
3. could be a disastrous interplay between a local bushfire and the facility, or between the facility and the local bush starting a fire. Local residents have had this experience twice in the last few years.
4. will be deleterious effects on Melbourne's 'food bowl' due to the passage of the pipeline over agricultural land between Crib Point and Pakenham
5. will be negative effects on the nascent 'Iconic Touring Route' that the Bass Coast and Mornington Peninsula Shires are intending to create which will effect local employment and which will not be compensated by any jobs this project might temporarily create.

Additionally, this area is in a RAMSAR site and that this activity is incompatible with the RAMSAR protocols.

Finally, this proposal seeks to reindustrialize the area and is contrary to the wishes of the local residents as expressed in Crib Point Community Plan of 2017.

Australia produces sufficient gas for its domestic needs and our community should not pay the price for the mismanagement on this resource.

Yours sincerely,

AUSTRALIA

Email - in

05 Jul 2018

Mr Gleeson

I am writing in opposition to the proposed AGL gas importing at Crib Point. As a local resident I am extremely concerned about the environmental impact these projects would have on the significant wetlands and mangroves and all the wildlife within. I am also concerned about noise and light pollution and the general safety of such unnecessary projects. This project makes no sense and seem only to benefit agl financially. What is your stance on protecting our beautiful Western Port? Will agl be more transparent about the process, beyond the community information sessions?

Regards

AUSTRALIA

Email - in

12 Jun 2018

Tuesday June 12, 2018

To: AGL Project Community Relations Manager

Jay Gleeson

RE: Crib Point FSRU Project

As part of AGL's community consultation process regarding the AGL-FSRU project at Crib Point and its forthcoming referral to the State Government. I wish to ask the following questions.

- Is it true that In January 2017 AGL was fined \$124,000 in the NSW Land and Environment Court for failing to disclose 11 political donations when making a planning application in the State of NSW?
- At Gloucester in NSW did AGL provide incorrect and misleading information to the community and landowners in relation to their Coal Seam Gas activities in the Gloucester Basin?
- Did AGL mislead the Gloucester community at an AGL consultation meeting on January 21, 2015 when the AGL representative failed to inform the meeting that "flowback water" containing **banned** BTEX chemicals had been illegally disposed of into Newcastle's sewage system?
- Did the AGL Rep tell the meeting the "flowback operation had gone well" when he knew it had not?
- In December 2014 was AGL found guilty by the Federal Court of Australia to have engaged in "misleading or deceptive conduct"?
- Did AGL at their Hastings (Vic) community meeting in January 2018 supply to local residence incorrect information in relation to Fire and Explosion Risk Assessment associated with an FSRU. Information that was later withdrawn?

AUSTRALIA

- Was the AGL Risk Assessment withdrawn because a Crib Point resident produced a document at a later community meeting headed **“2012 International Symposium on Safety Science and Technology Fire and explosion risk analysis and evaluation for LNG ships”** that indicated that a fire/explosion risk assessment should be assessed on a Boiling Liquid Expanding Vapour Explosion (BLEVE) not a Vapour Cloud Explosion (VCE) on which AGL’s assessment was based? (a BLEVE is a much bigger explosion than a VCE)?
- Is it true that AGL is not going to supply the public with a Fire/Explosion Risk Assessment until they have purchased the services of an FSRU?
- Does that mean AGL will proceed with the mooring of an FSRU at the Crib Point jetty knowing that if a fire/explosion occurs, residents of Crib Point within 2.3 km of the FSRU, including students of the local Primary school, would die and/or be seriously burned?
- Did the AGL representative say at every AGL – FSRU consultation meetings in the Western Port Bay area that the reason why a FSRU was required at Crib Point was because there was going to be a shortage of gas in Victoria?
- Why did the Premier of Victoria, Daniel Andrews, tell Victorians on ABC Radio 774 Jon Faine talk back show at 08.43hrs on Tuesday May 29, 2018 that **“there is no impending gas shortage”** and **“we produce in Victoria double the amount of gas that we use, about 405 Petajoules is what we produce and we only use just over 200 PJ’s per year”**? Who is lying AGL or the Premier?
- Is it true what the Premier said on that same 774 radio interview that **“the Australian gas market is so broken that AGL can land Australian gas back in Victoria cheaper than they can buy it here”** and **“that it is a very, very broken system and it is not because there is a shortage of gas but because of market failure that is making the import of gas very very profitable?”**
- Why should members of the public believe you, AGL, and your Risk Assessment documentation when you have such a woeful record of untrustworthy and unscrupulous behaviour as outlined above?
- What Risk Assessment has been done in relation to the dangers of a fire occurring in the ship’s living quarters adjacent to the LNP tanks?
- What Risk Assessment has been done on the ramifications of the **Ships** (FSRU and Gas tanker) breaking their moorings and becoming stuck on the mud banks?
- What Risk Assessment has been done on noise pollution below water and the affect on marine life?
- Because of AGL’s huge credibility problem after their performance in Gloucester NSW, all their Risk Assessments should be disregarded and Independent RA’s be carried out.

AUSTRALIA

AUSTRALIA

Email - in

13 Jun 2018

:

Hi I have not had time to read all of your draft documents but nevertheless would like to lodge my objection to the proposed FSRU on environmental grounds, particularly the impact on the fragile marine environment in the bay.

I will be making a more detailed submission later when your proposal goes through Government.

Kind regards

BALNARRING VIC
AUSTRALIA

Email - in
18 Jun 2018

: Dear Jay,

I'm writing this note as I've been told this evening, that the deadline for community comments and feedback and expressions of interest for inclusion in future consultation on the proposed AGL Gas Terminal at Crib Point and gas import pipeline is tomorrow Monday the 18th June 2018.

This deadline is eight days before the community information and consultation meeting at Balnarring Village Hall on the 25th June, that you and I have jointly organised at my request two weeks ago. (Thanks for your help with distributing the flyers and placing a half page ad in the Westernport paper tomorrow, but can you please also update the AGL website with the times and location of this meeting at its still listed as location and Time TBA.)

As you know I requested the AGL information and consultation session when I realised that my community (including myself) largely had no idea about this massive project and have had no public meeting with AGL to inform us of AGLs plans and the potential impacts on Westernport and surrounding areas despite the fact that Somers is only 4 kms, and Balnarring only 7.9kms away from the project and the entire area is bay focussed.

Any marine based project that involves increased shipping and other traffic in the bay and surrounding roads will also effect the most of the residents of Merricks and Merricks Beach and Point Leo and Flinders and they too haven't had a meeting and are largely unaware of the scope of the project.

We do have some experts locally who have the skills to review the veracity of the draft AGL marine, and environment impact statements, and risk assessments but this timeline makes informed analysis and response impossible.

As a result, on behalf of my community I would like request from AGL, a time extension for community consultation and feedback for the above areas with AGL on this project, to at least 6 weeks after the date of our meeting on the 25th June. Thankyou.

Yours Sincerely

AUSTRALIA

Email - in
15 Jun 2018

Message Body:

We are providing feedback in regards to the proposed FSRU at Crib Point. We live part time on Phillip Island and are passionate about the conservation of the environment and flora and fauna of the Western Port area.

We strongly object to the proposed industrial use at Crib Point. The use of the proposed floating industrial vessel will be detrimental to the amenity of the area and the surrounding waters and coastal areas. It will emit a permanent background noise and louder noise during maintenance .

The consultants do not show the effects of the vessel at night when safety and navigation lights are on.

The use of the Western Port water for industrial use is of great concern. AGL should not be using a natural asset without proving that it is perfectly safe for fish and mammals and other sea life.

The environmental impact study should be carried out before all other considerations and planning are addressed.

It appears that AGL is not keen to undertake such a study and is waiting to gauge the extent of community concern before committing to the study. This is typical of big businesses disregards to the environment and the community.

Another concern of ours and the community is that once up and operating the harbourmaster of Western Port and the EPA will have no control over the performance of the industry. This has been the case in the past. We wish to be kept up to date on this proposal. Thank you for the opportunity for us to comment.

Terence and Brigitte Nott. 24 McKean Street, North Fitzroy.
Would you please send us a copy of our submission.

AUSTRALIA

Email - in
18 Jun 2018

Hello Jay,

I am currently preparing a document that seeks to identify potential risk events from AGL's Crib Point proposal (including the APA pipeline to Pakenham) and the resultant impacts to residents close to infrastructure and the Westernport environment.

In that document I am detailing risk events relating to the LNG Carriers, the FSRU itself, the Crib Point jetty and the APA pipeline and asking AGL to document how it plans to mitigate each of those risk events. Unfortunately due to the tight deadline for submissions imposed I have not finished so I am submitting some precursor comments and questions as my submission. Once completed, I will forward a copy of the detailed document to yourself.

Risk has two components:

- The likelihood that a particular risk event will occur; and
- The impact/s given that the event does occur.

In this case the community of Westernport (especially crib point and those along the APA pipeline route) are being asked (potentially told) to wear the impacts of these risk events without any control over the likelihood.

The community is being asked to put their faith in AGL totally that these risks will be well managed. On at least one occasion (Gloucester, NSW) it appears that community faith in AGL has been misplaced.

At this stage, I have three comments to submit.

Risks of the FSRU:

The likelihood of a failure or series of failures, on the FSRU generating a catastrophic explosion cannot, in my opinion, be zero. Granted, with the constant application of the highest level of controls, it can be claimed as having a very low likelihood.

Catastrophic explosions that were never possible do happen. World's best practices do fail occasionally. Poorly trained, inexperienced or overworked crew can and do make mistakes. Equipment that is not properly maintained can and does fail. Years of safe operation can create attitudes of apathy towards safety.

We do not even need to look overseas for examples. Coode Island was thought to be caused by a St Elmo's event and Longford was due to a combination of poor maintenance and staff inexperience.

The impact of an event such as this to those close to the infrastructure potentially is death, serious injury, loss of homes etc. While ever there is a non-zero possibility that this project could cause such an event it should NOT be placed next to a community.

Risks of LNG Carrier:

Where does AGL see its responsibility in managing the risks associated with the Carriers bringing LNG to its FSRU?

State legislation seems to indicate that AGL is not responsible, as the cargo transfer will take place in accordance with the International Gas Carrier code of conduct, & port of Hastings guidelines. Under the commonwealth act, AGL has to provide a safety management system that takes into account the actual risks with the other ship, spill mitigation, even guidance on the other ships risk approach.

Will AGL take the easier (for them) and more risky (for Westernport) approach of leaving risk management to the LNG Carrier or will they insist and monitor that appropriate risk controls are in place.

AUSTRALIA

Environmental Risks:

As I see it at this stage (forgive me though as I am still progressing through your assessments). The risks to the fragile environment of Westernport have not been assessed thoroughly enough. There does not appear to be a detailed study of the cumulative effects of light pollution, noise pollution, chlorination, lowering water temperature and ship emissions that takes into account weather conditions and currents.

AGL cannot say with any certainty that this project will not do major and permanent damage to Westernport's ecosystem and the Ramsar listed wetlands within.

In summary, this proposal should not be allowed to proceed in the proposed location due to the inability of AGL to fully mitigate the significant risks to local communities and the Westernport environment.

Best regards,

AUSTRALIA

Email - in

10 Jul 2018

Dear Mr Gleeson,

Surely AGL, of which I am a customer, would serve the community and the environment better by pursuing renewable sources of energy - water, wind, solar - to ensure supply in Victoria than by despoiling Western Port both visually and environmentally, which would gain AGL much more support and would provide long-term solutions rather than stop-gap measures.

AUSTRALIA

Email - in

17 Jun 2018

Hi Jay,

Thank you for letting us know that we could put our last minute submissions in by Monday morning 8am.

Here are some of the reasons why I am against AGL installing a FSRU in Crib Point:

1. The long term environmental impact cannot truly be assessed as there has never been a FSRU in Westernport before. Westernport consists of fragile ecosystems which support migratory bird breeding grounds and are the nurseries for numerous marine animals. Also Westernport is an internationally recognised RAMSAR site, mangrove grow in this cold climate, which doesn't happen anywhere else in the world, and represents an important carbon sink for the whole area.

2. Even though Westernport might have been designated as a semi-industrial area by Thomas Playford in 1963, things have changed and it is becoming increasingly a residential suburb, with a quaint fishing village history and a renowned recreational fishing reputation. Historic places like Crib Point represent a priceless asset not only for local residents, but in terms the Australian environment with its unique flora and fauna.

3. This project may represent big but transitory profits for a handful of ultra-wealthy business people and share holders with AGL, but it is at the ongoing expense of local residents and visitors to the Mornington Peninsula, as the environment becomes irreversibly degraded by your industrial on water LNG processing factory.

4. With a degraded industrialised environment, property prices will recede. (I have spoken to several Real Estate agents who have confirmed this.)

5. There will be no benefit for local businesses who rely on the recreational fishing.

6. There will only be a handful of long term jobs for locals, the FSRU is mostly automated and the jobs that are there for people are specialised.

7. You no longer have the argument that there is a gas shortage and that you are securing our energy future, Premier Andrews stated on public radio a few weeks ago on Jon Faine's talk back show, Tuesday May 29th. TUESDAY MAY 29 TUESDAY MAY 29 TUESDAY MAY 29

8. Climate Change is real, and in the bigger picture investment now needs to be made on renewables, not fossil fuels infrastructure.

Yours truly,

AUSTRALIA

Email - in
18 Jun 2018

Email 1: The first thing to make clear about the AGL proposal to permanently locate an FSRU at Crib Point Jetty is that the deadline for public Submissions into their reports has not given the public sufficient time to give them the consideration they need.

Many of these reports have only been available for the past few weeks. Considering the number of reports, and the level of detail contained in them, this has not been nearly enough time to properly consider the hundreds of important questions raised by this proposal.

The reports are all in draft form, to be changed at any time. Many of them are desktop studies, or are based on modelling practices with little or no relation to real world circumstances.

The inadequate amount of time given has been consistent with AGL's rushed approach in getting this proposal up and running. At a Public Information session held in March, some of the authors of these reports described the enormous pressure being placed on them by AGL to rush their reports.

This has also been a feature of AGL's Public Consultation process. Insufficient preparation has meant that during Information sessions and more formal meetings, a frustrating number of important questions relating to noise, the likely effect on property prices, similar projects and important safety considerations relating to FSRUs could not be answered. Despite being told that they would get back to us, in nearly every case, questions were only answered when they were followed up by the person asking them.

AGL's public consultations have been criticized for being:

- o Not published well enough
- o Not inclusive of the communities beyond Crib Point towards Flinders
- o I personally went to three of their meetings and found that the information changed. I am not saying this was deliberate but nevertheless it was misleading. I do have one email where the Community Engagement person, Jay Gleeson, admits to getting one of the critical figures dramatically wrong

Is it any wonder then that the public feels unconsulted and overlooked about a project with many risks and questions still outstanding that proposes to permanently moor a factory tanker FSRU at their local public beach?

The imposing presence of the proposed FSRU would destroy the amenity of Woolleys Beach at Crib Point for the next decade, limiting access by locals and visitors to this public place within several hundreds of metres of the facility with an exclusion zone on land and sea.

The second main point is that no current circumstance exists that could justify the numerous risks and disadvantages to public safety and the environment that are associated with this project.

AGL's claims of an imminent gas shortage that they use to explain their urgent plans to import gas have been proven false. There is no doubt that AGL would profit substantially by importing LNG in the winter months when demand here is high and at its lowest in the Northern hemisphere. However AGL's urgent proposal to import LNG is not due to any imminent shortfall, as has been their repeated claim to the public.

The following statement by State Planning Minister Lily d'Ambrosio's in August 2017 seems to indicate an implicit agreement already existed at that early stage between the Andrews Government and AGL.

"The Labor Government is working closely with AGL to ensure approvals processes are streamlined to avoid unnecessary delays and to bring relief to all Victorian gas consumers as quickly as possible."

Australia and particularly Victoria are net exporters of gas, but without a National reserve in place, AGL and other energy companies have been responsible for exploiting the high prices caused by increased international demand. By selling too much of our domestic supply overseas in order to take advantage these market conditions, AGL has failed the Australian people. On June 15 Federal Energy and Environment Minister Josh Frydenburg stated that AGL had made very very poor decisions and owed its customers an explanation for their activities. Clearly AGL expects the people of Crib Point, which your Social Impact Assessment classifies as a disadvantaged area, to bear the full brunt of this corporate mismanagement. By choosing it as the site for this proposed FSRU a project with such high risks and limited benefit, shows a complete lack of respect and sensitivity towards the town, its people and the environment of Westernport.

A more insensitive and inappropriate project could hardly be imagined.

Most of the reports commissioned by AGL into the proposed FSRU are Desktop studies, limited relevance or awareness of the area as in SIA Heavy in tech detail

The most important point that can be concluded from the material contained in these reports is that the facility is highly inappropriate for this site, due to its Ramsar listing and UNESCO designation as a Biosphere Reserve.

Certainly nothing further should happen until Independently sourced research and a full Environmental Effects Study has been commissioned by the Andrews Government.

At the very least AGL's own environment assessment must include details of the environmental impacts and risks of this proposal, and a thorough evaluation of all the impacts and risks.

AGL has released 14 separate draft assessments, two of which were only made available in late May.

Glaringly absent is the Draft Safety Assessment that was withdrawn by AGL in April when a local resident revealed that some crucial considerations were lacking.

AGL have decided not to supply a revised Safety Assessment in its place. Asking the public to comment on a proposal in their local area with so many inherent risks and Safety concerns is an unconscionable act by AGL who have decided not to replace that essential report.

* Feb 9 AGL Gas Import Jetty Project Landscape and Visual Impact Assessment- Any visual impact of the kind expected by the presence of the proposed FSRU , the tankers and buildings that would service it is unacceptable at a public beach that will be affected on shore and water by

an exclusion zone. The town of Crib Point were promised that No future industrial development would take place south of Bluescope Steel Plant in Hastings

* Feb 9 Air Quality Impact Assessment- At each of the Public meetings held by AGL it has been reported that Air pollution from the FSRU would exceed amounts deemed acceptable by the EPA. As a member of the public it is difficult to understand how permission can be granted for a facility to operate with unacceptable levels of Carbon Monoxide and Sulfur Dioxide and unsafe levels of Explosive Nitrous oxide and VOC's Volatile Organic Compounds in the Boil off Gas. BOG or venting is a great concern, for air quality and concerning safety. On a hot day in an area renowned for bushfires, the necessity to vent present an unacceptable risk. Alternatively, a local bushfire could trigger a catastrophic explosion event on the FSRU.

* Feb 10 Environmental Noise Assessment.- Industrial noise emitted from the enormous water pumps, loading arm and engine of the FSRU that would frequently operate 24 hours a day would be extreme. The FSRU has the capacity to receive up to 40 tanker ships per year, with each tanker's cargo of LNG taking 1-2 days to unload. This noise, would disturb migrating and local birds and marine life. It would also disturb residents and children at the nearby Primary School. At meetings held by AGL since March, representatives have been unable to tell people concerned about the noise whether the noise contained in this report was modelled ABOVE OR BELOW the water. It has been well documented how much marine mammals that rely on echo location for navigation and communication are affected and put at risk by this kind of excessive noise from industry. It should be remembered that Westernport Bay is a UNESCO designated Biosphere reserve.

* Feb 20 Historic Heritage Assessment

* Feb 20 Contaminated Land Assessment.- Since contaminated soil and water has been detected at the site due to previous industry, any new industry or construction would be likely to disturb this contaminated material. This would put the public and the Bay at risk of exposure to hazardous material that would otherwise remain stable.

* Feb 20 Hydrology Impact Assessment- the likely threats to water quality and creatures is unacceptable in a Ramsar area. "Ramsar wetlands are recognised as a matter of national environmental significance under the EPBC Act. Consequently, an action that has, will have, or is likely to have, a significant impact on the ecological character of a Ramsar wetland must be referred to the Minister and undergo an environmental assessment and approval process."

* Feb 27 Effects of coldwater discharge on marine ecosystem at Crib Point.- Whether through one port or six, the release of cold water could result in cold water plumes forming for several kms along the seabed. Even a slight change to the ambient temperature of the Bay could affect the Mangrove wetlands. Mangroves are an important Carbon sink and nursery to so many marine life that other creatures living or visiting the Bay rely on for food. Silver Mangroves are a tropical species not found so far South anywhere else in the World. They can only survive here because Westernport is on average just 3-4 metres deep. They could not withstand even a minimal decrease in water temperature.

* Feb 27 Chlorine in seawater heat exchange process at Crib Point-

whether one port or six, the industrial warning for Sodium hypochlorite states: "avoid release into the environment, toxic to all aquatic life"

* March 19 Desktop Social Impact Assessment. It is a pity that AGL only commissioned a desktop study into this important consideration. The report failed to consider that before the AGL plan was announced, they had met to draw up a Community Plan for the rezoning and use of 320ha of disused Port land along the foreshore at Crib Point. The Plan is an attempt to move the area on from its industrial past towards a future that makes the most of its wetlands setting in Westernport. The AGL proposal would not bring more than a handful of permanent jobs to the area, but would prevent Crib Point from benefiting from the recreational uses and economy that other areas of the Peninsula have successfully moved towards in recent years. For several years now as part of their school curriculum, St Joseph's students have been engaged in Mangrove regeneration works, learning how important the sensitive wetland ecosystems near their school are. At AGL's recent meeting at Crib Point Community House, a member of the hosting panel said "the people of Crib Point have been planning ways to use the area for a while now, AND NONE OF THEM INVOLVED A GAS FACTORY AT OUR BEACH "

* March 29 Aboriginal Heritage Due Diligence Assessment- while this report states: "A search of the VAHR showed there to be no known Aboriginal Places located within the proposed activity area. A single Aboriginal Place is located within three kilometres (Jacks Beach; VAHR 7921-0369), which includes shell midden and surface scatter components." An Aboriginal site is in fact present on Woolleys Beach. Consultation with the local Boon Wurrung Association revealed that a great many such sites are known but not reported to the VAHR for several different reasons. The absence of listings on the VAHR does not guarantee that they do not exist. This reinforces the inadequacy of desktop surveys and the insensitive approach consistently taken by AGL concerning this proposal at Crib Point.

* March 23 Greenhouse Gas Emissions Assessment (including Climate Change)- same as for Air quality impact assessment above.

* April 16 Desktop Flora and Fauna Assessment The mere name of this report is deeply concerning. How can a report into the intricacies of an ecosystem be prepared behind a desk? The marine and intertidal waters of the bay support a rich marine invertebrate fauna. At least 1,350 species have been recorded which is approximately three to four times greater than the number recorded in nearby Port Phillip Bay. The desktop report fails to mention many of the most important and vulnerable species in the area, including the Curlew Sandpiper, the Eastern Curlew and several species of highly endangered ghost shrimp, among many others.

* May 14 Plume Modelling of Discharge from LNG Facility- same as for chlorine heat impact assessment above

* May 21 Modelling and Assessment of Biological Entrainment into Seawater Heat Exchange System- has only been available since May 21.

* In addition, all these reports made public by AGL are only in draft form, and could change at any time. No final reports will be made available to the public before AGL makes its application to State Government, yet AGL will have the benefit of all the information gathered from these Submissions from the public to consider before making that application.

* Is it any wonder then that the public feels unconsulted and overlooked

about a project with many risks and questions still outstanding that proposes to permanently moor a factory tanker FSRU at their local public beach?

* The imposing presence of the proposed FSRU would destroy the amenity of Woolleys Beach at Crib Point for the next decade, limiting access by locals and visitors to this public place within several hundreds of metres of the facility with an exclusion zone on land and sea.

* It should be remembered when the benefit of moving the FSRU in the event of a bushfire is mentioned that in 2006, The Dampier Spirit, a permanently moored FSO Floating Storage and Offloading Tanker could not be moved in an emergency situation. Though not an FSRU, the permanently moored tanker could not be moved from its berth at Dampier in W.A when a cyclone was approaching, because it had become fused with barnacles to the jetty. Large vessels of this kind can also break their moorings in heavy weather.

* It would seem far more prudent for AGL to focus on the essential task before them of repairing their public face that was so damaged in the Hunter Valley incident, rather than be seen so soon behaving insensitively to local values again in overriding strongly held public opinion with an unpopular and risk filled proposal that has such limited potential for returns.

Many things about AGL corporate reputation give reason for concern. AGL has just formed and is promoting on Facebook a 'marine wildlife rescue unit' whilst developing a project that will threaten one of the most delicate Marine environments in Australia if not the world.

Hi Jay

The following research was accidentally left out of my Submission.

If possible, please consider these two responses.

1. The first relates to the most recently released report titled "Modelling and Assessment of Biological Entrainment into Seawater Heat Exchange System":

The report states: "Modelling undertaken as part of this assessment shows that :

- The seawater intake on the FSRU is positioned and designed to minimise the entrainment of fish.
- Larvae that can maintain position in preferred nearshore habitats such as mangroves seagrasses and shallow nearshore waters should not be entrained.
- Larvae, eggs and other propagules (e.g. mangrove seeds) that drift or travel on the water surface or near the seabed should not be entrained."

It seems unlikely that any design could significantly eliminate the intake of small and especially microscopic sea life. This is an unacceptable situation in an area of protected Mangrove Wetlands which serve as essential nursery to the entire Bay.

The report states :

"For this preliminary assessment, it is assumed that all biota passing

AUSTRALIA

through the heat exchanger will not survive the passage. However, a proportion of biota will survive that are sufficiently robust to withstand the stresses during the short passage through the heat exchange system."

It seems that the proportion of entrained sealife that could survive the heat exchange process would not matter since all intake water would also be treated with Sodium Hypochlorite. This substance has the following industry warning: "very toxic to aquatic life with long lasting effects, avoid release into the environment".

2. In response to report titled: CHLORINE IN SEAWATERHEAT EXCHANGE PROCESS The draft report's modelling on the rate that the chlorine is predicted to break down is also irrelevant, since the stated purpose of adding it to the water intake is, "to prevent biofouling of pipes" of the FSRU. Its role is to kill all lifeforms in that water.

Regardless of whether this treated water is released back into the Bay through one port or six (as in the modified design), a crucial and unpredictable effect not discussed in this or any other report is the cumulative effect of releasing this "dead" water into the shallow waters of the Bay at the predicted rate of 450 million litres per day.

The pH and other essential characteristics of this treated water would be altered and it's 'knock-on' effects can only be guessed at.

If for example seagrasses are negatively impacted, the effect would be disastrous. Silt previously held steady would become loosened and wash around the Bay. Accumulating in Mangrove beds, the sands would erode and scour away the much finer Mangrove mud, destabilizing and permanently undermining and destroying the Mangrove systems and threatening the diverse marine life that depends on them.

I realise this is a busy day for you, but could you please reassure me that my submission will still be considered even though I only just managed to submit it now?

AUSTRALIA

Email - in

16 Jun 2018

We oppose this project because:

1. It would further industrialize Western Port and damage its value as a conservation area and the bird and other wild life it supports.
2. Birdlife Bass Coast is very concerned about disturbance of the seabed (the source of the shorebird food supply at low tide) due to dredging or other factors.
3. The effect of light on migrating shorebirds and other birds.

There are other environmental factors to be considered, and we support a full EES on this proposal when a further submission would be sent.

Birdlife Bass Coast

AUSTRALIA

Email - in

14 Jun 2018

12th June 2018

Jay Gleeson

Community Relations Manager

AGL

jgleeson@agl.com.au

Dear Jay

Crib Point Regasification Project

AGL have invited comments on the project by 15th June 2018 and Crib Point Action Group Inc. provide the following comments on the proposed FSRU project at Crib Point.

Western Port is recognized as an internationally significant Ramsar wetland and any development that is likely to impact of the Ecological Character Description of the site must be subject to a stringent Environmental Effects Assessment to determine the likely impact on the environment by the activities proposed.

"DRAFT" reports have been made available on a number of issues, being "DRAFT" reports, the community will not have the opportunity see the FINAL conclusions before referral.

At the time of preparing this submission the Environmental Assessment Report, which the community was told would be available in May, still has not been made available.

Areas of concern due to lack of information and unanswered questions include –

AUSTRALIA

- Implications of chlorine reduction and toxicity tests for Crib Point – conclusion identifies that some results higher than standards
- Plume modelling conclusion states the anticipated extent of the plume and lateral dispersal above the seabed, it also states, “ that at times the rate of dilution could be restricted” the potential impact that this will have on the marine environment is not referenced.
- The impact over time on the marine environment caused by the long term continuous large volumes of water discharged at one location is not defined.
- Risk Assessment requirements for operation of the project are not available
- Fire Risk analysis is not available – this is an area of considerable concern
- No information is available on the Environment impacts – to flora and fauna, that will arise during construction of the pipeline to Pakenham.

Social Impact Assessment – This report states that it is “limited” as “This assessment is based on desktop information only and not informed by consultation with key stakeholders and the community.”

and it concludes –

“The Project would have a positive impact on the local and regional community by enhancing energy security and increasing gas supply at a time when gas prices are increasing. An increase in gas supply would potentially put downward pressure on gas costs for households across Victoria and the east coast of Australia. This benefit is expected to be greatest for vulnerable households on lower incomes such as those receiving government pensions and allowances. The Project would also see an increase in employment with up to 40 ongoing direct roles created in addition to the employment created during construction.”

- It is an insult to the Crib Point Community, which is a “key stakeholder” that it was considered unnecessary to “consult” them. To determine the “social impact ” on a community directly affected by the proposed project based on statistics is totally inadequate.
- There will not be 40 ongoing direct roles for the Crib Point, AGL has stated this, whilst there may be some locals who would qualify for construction positions, these would not be significant in number. The level of long term employment of locals as a result of project is not indicated.

AUSTRALIA

- There is no reference to potential adverse impacts – visual amenity, noise, reduced access to some areas by recreational boating, economic impact on tourism and future tourism opportunities. No consideration given of the future plans by the community of Crib Point. The impacts of this proposed project will affect the whole of the Western Port and the Mornington Peninsula.
- “Enhancing energy security” what does this mean? This project looks to process 40 petajoules pa. Victoria produces 407 petajoules which is currently double the requirement. In addition Cooper Energy has been granted an exploration permit close to Esso Bass Strait fields to supply about 24 petajoules of gas per year from mid 2019. AGL is a contracted customer to receive output from of this project.

The press release, by NSW Minister for Trade and Industry, for the recently announced project to

import up to 1.8 million tonnes LNG into Port Kembla, stated -

“The project is similar to AGL's \$250 million floating LNG import terminal and jetty proposed for

Crib Point, in Victoria, which is slated to begin construction next year”

This statement could be read as implying that all approvals for the Crib Point project have been received, even though the essential Environment Effects Assessment process has not been started.

A project of this magnitude which will have impact across a range of landscapes, including a Ramsar Wetland cannot be considered without a full Environment Effect Assessment being conducted.

Yours sincerely

AUSTRALIA

Email - in
19 Jul 2018

Dear Jay

I am opposed to AGL's proposal to import gas at Crib Point.

Western Port Bay is an important ecosystem, supporting valuable flora and fauna. Western Port is a significant resource for the regional community, providing cultural, social and tourism benefits.

The modelling available on the AGL website shows that the Crib Point project will degrade this valuable and important environment with damaging effects on fauna, which is already documented in your "Modelling and Assessment of Biological Entrainment into Seawater Heat Exchange System".

Inadequate consideration has been given to the effect this project will have on Blue Carbon sequestration.

As an exporter of gas, Victoria has no need to import gas, and the energy market should be adopting renewable energy options, which provide a cleaner solution. Indeed, Australia's Energy Market Operator has confirmed that there is no gas shortage, so there is no justification for this project.

Melbourne's food bowl is already under pressure and an additional effect of this project - which must be considered in conjunction with the Kawasaki oil to hydrogen project proposal - is the impact on food-growers, and ultimately, the cost to Victorians.

There has been limited, and inadequate, community consultation about this project; and far too little effort has been made to inform residents and businesses in the entire Western Port region about the scale and impact of this project.

The environmental cost of this project is too high and there is no justification for this project.

Yours sincerely

AUSTRALIA

Email - in
11 Jul 2018

Dear Mr Gleeson,

I am very concerned about a report that AGL would like to build a gas import facility at Crib Point in Western Port Bay. If this facility was built it could threaten the outstanding environmental and recreational values of this area.

Western Port Bay is a vital breeding ground for many species of fish and invertebrates as well as providing essential food for many of our migratory birds. Being so close to Melbourne makes it an extremely valuable recreational resource. Thousands of people enjoy holidaying around the bay to enjoy its beauty, observe its wildlife and other natural features and take part in recreational pursuits such as swimming, boating, fishing, walking, etc.

Much of this could be destroyed for generations to come if this facility was to be built. I believe there is a very real possibility of chlorine spilling into the water. This would have a toxic effect on animal and plant life. There is also the possibility of an oil spill. We know from oil spills that have occurred in the past the devastating effects these have on the surrounding environment for the plant and animal life as well as the loss of enjoyment by people who live and holiday in these areas.

I therefore request that you abandon this very ill advised project.

Yours faithfully,

WARRAGUL VIC
AUSTRALIA

Email - in
19 Jul 2018

Dear Jay,
I recently attended a protest at the Hastings Foreshore, Fred Smith Reserve, who is my Great Uncle. The protest was regarding AGL's proposed LNG import in Crib Point. I heard one of the speakers at the protest mention that when she asked on air on the John Faine show what Premier Andrews intentions were regarding the project, apparently he said he would get in touch with her and respond to her question. She stated that after calling twice, he has still failed to respond. In my opinion, as the Premier of Victoria he has a responsibility to follow up on questions asked by the public. To me, this indicates he is incapable of supporting the community as Premier. If he cannot respond to a simple question, we will have no hope talking with him about any accidental damage that occurs as a result of misconduct at the import facility. I am concerned this project will not be undertaken safely. I would like to be able to take my children to the place I grew up and explain to them why the waterbirds happily live there. I do not want to have to explain why they do not live there anymore due the area being tarnished and suffering irreversible damage. I am strictly against this project being approved. I would appreciate your response.
Yours faithfully,

AUSTRALIA

Email - in
19 Jul 2018

Dear Jay,
I am concerned about AGL's proposed LNG development. The reputation of both companies involved, AGL and APA, have a disgusting track record of environmental mismanagement. I believe that AGL are attempting to bribe the local community by trying to encourage them to approve the project through offerings of cheaper gas, without stating how cheap the gas will be. AGL are bandying around a discount without providing sufficient information to the public. I also believe this project will cause irreversible damage to our natural environment. I am against this project and encourage you to contact me to discuss my opinion.
Yours faithfully,

AUSTRALIA

Email - in
19 Jul 2018

July 18, 2018

Dear Jay,

Thank you for the opportunity to make a submission re: AGL Gas Import Jetty Project . I am strongly opposed to both AGL's proposed import terminal and APA's proposed pipeline and believe that both AGL and APA should be required to provide an Environmental Effects Statement as a part of the approval process for the AGL Gas Import Jetty Project . Although my home is in Hastings, I also grew up and have strong ties in and around Crib Point, particularly at the proposed project area. I was raised by my grandfather who grew up with his grandmother in one of the first settler houses to be constructed in Hastings. Needless to say, our

family has developed a deep connection to the land and water of this area as well as a strong fishing background. Preserving the nature that continues to support us is essential to my family and I. I am sure that my mental health would suffer if the condition of the our home was jeopardised through approval of this project. I am concerned that AGL has not undertaken the appropriate Aboriginal Heritage Due Diligence Assessment or undertaken appropriate community consultation. I was present at the recent community consultation meeting in Balnarring, which was hosted by the community as both AGL and APA had failed to engage with the community themselves. Not one community member spoke in support of the proposed AGL Crib Point LNG project. Furthermore, the level of detail provided by both AGL and APA to answer questions that would allow to the public to determine if the project would be safe for the community was unsatisfactory. It is absurd to think that any activity that involves Liquid Natural Gas (LNG) is either necessary or safe.

The communities cannot be certain they would receive the "7.5 million dollars" offered to them if AGL cannot provide details about the forecast profit for the project, as requested on the night of the community consultation in Balnarring. This is especially relevant as The Australian Energy Market Operator (AEMO) recently stated there is no foreseeable gas shortage for the east coast of Australia until 2030, which would make the AGL project redundant. This was confirmed by Premier Daniel

Andrews, who stated that Victoria has double the amount of gas required for our consumption. The AGL representative at the Balnarring Community Hall told the public he was "surprised" by the AEMO media release. This does not provide the public with confidence that AGL are up to date with the gas market, having justified its project with contradictory information to the AEMO media release and what Premier Daniel Andrews stated in his interview. If the project collapses, the community will likely be left with financial costs and a damaged environmental legacy. The surrounding beaches are popular to both locals and tourists, contributing greatly to the tourism industry of the Mornington Peninsula. The project will likely cause a detrimental effect on the local economy because it will stifle/prevent future security in the area for all current and future businesses, for example: diving, charter boats, tourism, fishing, proposed car ferry from Stony Point to Phillip Island and the southern touring route as well as birdwatching and other nature based tourism and will likely to reduce real estate values and hinder growth locally. Approval of this

project will prevent Crib Point achieving the community goal of implementing their long-term township plan and will degrade the very high value of coastal land. Food that is supplied to Melbourne via the foodbowl of south eastern Victoria should be considered a priority. The approval of the pipeline would jeopardise this asset. The process will likely result in contamination of an ecosystem that has so far avoided an influx of invasive species, such as the Northern Pacific Seastar, which is present and growing in numbers in Port Phillip Bay. The 55km pipeline will be run from Crib Point to Pakenham, through and adjacent to the Ramsar wetlands and will require 20-30 metres width of excavation over the pipeline. Key areas for the pipeline include: Warringine park, Watson's creek and farmland along the length of the pipeline. At a community consultation meeting in Balnarring, APA informed the public that neither AGL nor APA have consulted with UNESCO, despite the Ramsar listed wetlands being registered as a UNESCO biosphere reserve. An estimated 165 hectares of vegetation will be cleared in total. A representative of AGL also mentioned that AGL have not included details of the Western Port Bay Environment Study (Shapiro report) in the preliminary environmental assessments. The AGL representative is quoted saying "chlorine will also be added to the bay and will be bad for your health if you live under the ship" but will then be diluted as it furthers from the ship. When community members queried how the bay's tidal system would influence the dispersal of chlorine, it became clear that AGL was unaware of the tidal system unique to Western Port Bay. It is unclear where dredge spoil would be placed and unclear how the dredging 90 cubic metres of spoil will not impact on seagrass or mangroves, as AGL has stated. Furthermore, AGL is currently unsure of the threats to some species, ie. the ghost shrimp. The lifespan of the project is 10-20 years. Both AGL and APA have a history of being charged for non-compliance. These companies cannot possibly assure an accident would not happen in any of the Ramsar listed wetlands and on the agricultural land, which provides food to Melbourne's food bowl. In one instance, APA was recently fined for not including appropriate rainfall modeling to avoid flooding of the pipeline area, causing contamination to both waterways and soil. At present, AGL have no long term data on spills and are using modeling from overseas because a project like this has never been undertaken in Australia before.

At the AGL community consultation meeting, the AGL representative stated that AGL will not be undertaking any offset plan for the project and was confident this would not be necessary, despite not being able to provide details about the total greenhouse gas emissions that would be emitted for the of the project. This is particularly relevant as methane gas is 86 times more potent than carbon dioxide.

Any threat of explosion from the FSRU was downplayed at the Balnarring Community Consultation meeting, to the point we were told that AGL had already provided incorrect data and modeling on its website when referencing the anticipated radius of explosion. The APA representative stated that a bushfire associated with the pipeline is "not thought to be possible", and referred to an explosion as a "release", which was purposefully elusive to the high risk. The risk of fires in the region has been demonstrated by the recent bushfires that spread from Somers to Hastings, and terminated just a block from my home. Adding extra

AUSTRALIA

high pressure gas pipelines to an already fire prone region adds a higher risk to the people along the pipeline and is a risk that should be taken seriously, not sugar coated.

Please consider requesting an Environmental Effects Statement as a part of the approval process for the AGL Gas Import Jetty Project . I would appreciate your feedback on this development.

Yours faithfully,

AUSTRALIA

Email - in
06 Jul 2018

Dear Mr Gleeson,

Having attended the AGL information evening at Balnarring Hall last week, I write in opposition to the proposed floating gas terminal at Crib Point. This project poses unacceptable threats to our precious natural environment and unreasonable impacts to high producing farms that we rely on for food. In a token gesture AGL have offered 7.5 million dollars to the community to compensate. It is important that both AGL and the State and Federal Government understand that our natural heritage is priceless.

Having gained further insight into the scale and impact of this project, it is incomprehensible that last week's information session is the first that has been held here. The lack of public consultation from AGL has meant that many residents are only learning about this project now.

The meeting highlighted a multitude of serious environmental and social concerns. To skim over just a few: the average of 450,000 litres of chlorinated water that will be pumped back into Western Port Bay daily for the first 5 years and probably more after that. This is nutrient rich sea-water you want to take from Western Port that will be returned to the Bay chlorinated, well below freezing and stripped of nutrients and biome. I am concerned about the long term effect this will have on the health of the entire Western Port biosphere. Another major concern is the clearing of vegetation and drilling that AGL proposes through RAMSAR listed wetlands. This is unacceptable. Another major issue is the release of ballast water from international ships bringing pests that could threaten the fragile ecosystems of Western Port Bay, we have seen this in Port Phillip Bay with the Northern Pacific Starfish. At the very least this project requires an independent environmental impact assessment. AGL does not have a clean track record when it comes to environmental care as evidenced by the breaches in the Camden Gas Project to name just one example.

It is astonishing that big business continues to see the resources of the natural world as being there for the taking without concern or consideration for the environment or local people. To not consult community wholly, to not have a plan to offset the greenhouse gas emissions generated by this project or propose repair or donation of land to replenish the areas that would be compromised by this project is anathema to me.

We will strongly and tirelessly urge the State Government to reject this proposal and to invest our taxes into clean renewable energy that can carry us into a sustainable future without harming what we value most.

Our community vehemently rejects this proposal.

Yours Faithfully,

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BALNARRING VIC
AUSTRALIA

Email - in
05 Jul 2018

Dear Mr Gleeson,

Having attended the AGL information evening at Balnarring Hall last week, I write in opposition to the proposed floating gas terminal at Crib Point. This project poses unacceptable threats to our precious natural environment and unreasonable impacts to high producing farms that we rely on for food. In a token gesture AGL have offered 7.5 million dollars to the community to compensate. It is important that both AGL and the State and Federal Government understand that our natural heritage is priceless.

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We will strongly and tirelessly urge the State Government to reject this proposal and to invest our taxes into clean renewable energy that can carry us into a sustainable future without harming what we value most.

Our community vehemently rejects this proposal.

Yours Faithfully,

GLEN HUNTLY VIC 31603
AUSTRALIA

Email - in
19 Jul 2018

Dear Jay,

Western Port Bay is a pristine wilderness, unaffected by any major developments, yet at the moment it has the potential to be ruined forever. I am concerned of the extent of the damage and believe that the potential reach of a spill is unknown and inevitable. This place is very close to my heart as it is where I grew up.

I am concerned about the liability the government will be responsible for and as a tax-paying citizen, I do not want my taxes to be spent on remediating contaminated wetlands.

I believe you have chosen to develop this import terminal at a site that is financially not as well off as other areas and therefore does not have the resources to afford a legal battle in opposition to the project.

In contrast, the community of Mount Eliza recently gained substantial media attention and could afford to make noise about a playground development being built in a residential area. The media attention this received is striking in comparison to what the Crib Point terminal has received.

I am against the AGL LNG development. Please do not hesitate to contact me about my concerns.

Yours faithfully,

AUSTRALIA

Email - in
05 Jul 2018

Mr Gleeson

I am writing in opposition to the proposed AGL gas importing at Crib Point. As a local resident I am extremely concerned about the environmental impact these projects would have on the significant wetlands and mangroves and all the wildlife within. I am also concerned about noise and light pollution and the general safety of such unnecessary projects.

This project makes no sense and seem only to benefit agl financially.

What is your stance on protecting our beautiful Western Port? Will agl be more transparent about the process, beyond the community information sessions?

Regards

AUSTRALIA

Email - in
18 Jul 2018

Re. AGL proposed Crib Point Project.

Western Port Bay is a fragile ecosystem and a protected Ramsar Site . It is host to thousands of Northern Hemisphere migratory waders that make the incredible journey from their breeding grounds in Siberia to winter over in Western Port Bay. I have been involved in the Birds Australia survey of migratory and resident shorebirds for over 30 years, it is the longest running survey of its kind in Australia.

I have seen at first hand the decline in shorebird numbers during my involvement.

I was involved in opposing the proposed industrialisation scheme of the Bolte Government industrial schemes for Western Port and French Island and I am vehemently opposing this present scheme.

Western Port Bay is vulnerable to shipping and potential oil spills and the infrastructure needed to maintain this proposal is nothing short of environmental vandalism.

Western Port is unique and has a thriving mangrove population, the most southerly in Australia which harbours fish populations, invertebrates and bird populations.

A relatively shallow bay which does not flush easily with tides due to its narrow arms is not an ideal place for AGL to maintain this facility and I would suggest they look for a better alternative.

Sincerely,

AUSTRALIA

Email - in
10 Jul 2018

Dear Mr Gleeson,

Surely AGL, of which I am a customer, would serve the community and the environment better by pursuing renewable sources of energy - water, wind, solar - to ensure supply in Victoria than by despoiling Western Port both visually and environmentally, which would gain AGL much more support and would provide long-term solutions rather than stop-gap measures.