SALLy Darling Your name

5 Sall Kettle House apt number and street

Paget Town, Parish/County

Postcode

Country

Telephone

236-6425

E-mail

darling

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

10 October 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

<ul> <li>Please add your own personal reasons for supporting the Bermuda Better Energy</li> </ul>
Plan here Bermada could be an example to the world -
we have an abundance of ourshine wind and waves
Thank you for your time in reviewing my response, I look forward to learning of the final
outcome of the IRP consultation process. And we will be before

Yours sincerely,

Sally Darling

to save the world. But the government needs to help as do this.

Lisa J Diamond Apt #1, 7 Brighton Lane Devonshire DV08 Bermuda Home Tel : 238-3245 Lisajdiamond@yahoo.co.uk

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

22nd November 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and
  ministerial directions for the least-cost provision of reliable electricity.
  The plan provides clear and convincing evidence that renewable energy can
  deliver a substantial reduction in carbon emissions while stabilising energy
  costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- And because BELCO is extensively over priced and monopolises its position as being the only energy supplier in Bermuda and that needs to change.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

1

MARCO DOS SANTOS 142 HARBOVR ROAD PAGET PG OS.

11 NOVEMBER 2018

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,





Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

14 November 2018

Dear Ms Lister,

#### RE: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- I believe that although Bermuda's footprint is small, each of us should be doing as much as possible to reduce our impact on the environment.
- I have personal experience of BeSolar's approach to sustainable energy. I have solar panels on my home and they have significantly reduced my personal electricity costs by >50%. Imagine if this was available for all.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

**Dr Annabel Fountain BScHon MBBS MRCP Endo** 

Director

**FOUNTAIN HEALTH** 

Tel: 2365440, Fax: 2381499, Email: <a href="mailto:chrisjos@logic.bm">chrisjos@logic.bm</a>

November 23 2018

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

We are writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

We support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- It recognises the intrinsic value of the infrastructure developed by BELCO and builds upon it.

Thank you for your time in reviewing our response, we look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

J. J. Christon



17 Woodbourne Ave., Hamilton, HM 08 P.O. Box HM 3041, Hamilton HM MX Bermuda

Telephone: 1 (441) 296-4279 Fax: 1 (441) 296-4281 E-mail: svninfo@chubb.com www.sovereignbermuda.com

November 26, 2018

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours Sincerely,

Price Lowenstein President & CEO

Olivia Taylor #3 West Point Lane Hamilton CR01 Bermuda 704-2638 otaylor@bhs.bm

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

27 November 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

My name is Olivia Taylor and I am currently in the IB program at the Bermuda High School for Girls currently studying fossil fuels and renewable energy. Therefore the 'Bermuda Better Energy Plan' peaked my interest, as I believe Bermuda is in need for an alternative cleaner energy option, one that is dependent on renewable energy. A staggering 86% of the worlds energy is made from fossil fuels not only are these fossil fuels running out but they are having detrimental effects on the global environment, with direct effects to Bermuda such as rising sea levels, changing rainfall patterns and more extreme hurricanes. For that reason I believe Bermuda is in need of sustainable and renewable source of energy that is cost efficient and affective for all Bermudians.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Bermuda can reduce its contribution to global climate change by using renewable energy while reducing the cost of electricity.

- The use of renewable energy will provide a cleaner environment for Bermuda.

  Therefore keeping Bermuda a beautiful destination for both tourists and international business and allowing us to maintain our supplies of drinking water.
- Overall the costs of renewable energy are both cheaper to set up, maintain and it creates cheaper costs for electricity for local Bermudians.
- The proposal that 64% of electricity will be provided by solar and offshore wind technologies within 20 years, which leads to the reduction in energy demand by 30%. This is a big leap forward for Bermuda in creating sustainable and cleaner energy.
- Not only does renewable energy create a cleaner environment for Bermuda but it
  provides jobs for the local community and keep more money within our local
  economy. Therefore the standard of living for all Bermudians will increase.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Olivia Taylor

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

10 October 2018

#### Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

Salutations, my name is Skylah Musson and I'm currently a senior at BHS. I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Having the wind turbines located offshore is a great location as it would be greater wind forces and there would be a low chance of any interruptions of the turbines being able to access wind.
- Using solar energy is an excellent alternative as the weather in Bermuda is mostly sunny.
   Since we mostly have pretty good weather on the island, we are generally the most ideal location to hosts solar panels.
- These alternative solutions are excellent as we are using the natural elements that the island has to offer and doesn't involve any other substances that have to be brought in, which inevitably also assists with the increase of pollution.
- Two of your points in The Bermuda Better Energy Plan that had stuck out to me the most is that electricity use reduces by almost 30% and that by 2038, 64% of Bermuda's electricity being provided by the sun and wind. These stuck out to me the most because it is a satisfying thought that Bermuda can reduce our carbon footprint. Its important that we reduce our carbon footprint because we are a beautiful island and we need to keep it that way as we are an ideal vacation destination for tourists.
- Bermuda is a lovely island with breath taking scenery any part you may end up at and we
  have amazing citizens on this island that care about it deeply. I believe that majority of
  Bermudians will agree with this plan would help it make it a reality.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Skylah Musson

November 21, 2018

Marilyn Verbena Jackson
'Bermudez' East Apt.
Knapton Estates Rd., Smiths
HS -01
Bermuda
Tel: 296-5315
mvjackson@logic.bm

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- It is the most efficient use of renewable energy sources and is cost effective.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Many Lackson

Iola Brunson-Rocker
6 WEstdale Lane
Southampton East
WK01
Tel 517-7831
ibrunsonrocker@yahoo.com

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

23 November 2018

#### Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Renewable Energy is beneficial for health reasons, it is sourced locally and free.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely

Ms Monique Lister Regulatory Authority 1st Flood, Craig Appin House 8 Wesley Street Hamilton

25 November 2018

Dear Ms Lister

I am writing to submit a response to the RA of Bda's consultation on IRP Bulk Generation Proposals.

I believe that the BELCO plan does not give nearly enough support to energy conservation and use of sustainable sources of energy, but ties Bermuda to fossil fuels for many years to come. The continued use of fossil fuels will commit Bermuda to fluctuating costs, the continued annual loss of revenue overseas (amounting to millions of dollars), high dependence on foreign companies. Fossil fuels are not only bad for Bermuda, they are bad for the planet; we already see the consequences of climate change, particularly in small Island states. As a small Island, we should not be a willing party to their destruction.

Having attended their meetings and read their report, I fully support the BERMUDA BETTER ENERGY PLAN as submitted by BE Solar. This plan

is the most consistent with the purposes of the Electricity Act and ministerial directions for least-cost provision of reliable electricity

the plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emission while stabilising energy costs through clean renewables

it makes use of technology that is already in commercial use in other jurisdictions

it has been developed using detailed and transparent assumption and methodologies by and independent group with no financial interest in Bermuda

Thank you for reviewing my response and I look forward to learning the final outcome of the IRP process.

Yours sincerely

ennifer Flood

jgflood@btcnet.bm

28 Stovell Bay Road Pembroke HM 01

Nadia Famous
26 North Shore Road
Pembroke
Hm04
Bermuda
599-0043
nwagmac@gmail.com

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

23 November 2018

#### Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Long term renewable energy sources are the most viable option

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Michael Desilva 24F Bostock Hill West Paget PG02 Bermuda 441 532 2531 michaeldesilva@me.com

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

26 November 2018

# Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister.

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial
  directions for the least-cost provision of reliable electricity. The plan provides clear
  and convincing evidence that renewable energy can deliver a substantial reduction
  in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- We are surrounded by the resources to supply Bermuda with the majority if not all of its energy needs.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Michael Desilva

Jennifer Lightbourne 16 Forest Hill Drive Warwick WKo8 Bermuda +1441 7772477 Jenlightbourne@gmail.com

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

23 November 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- BELCO's dependence on fossil fuels means Bermuda is completely dependent on other countries for their fuel source. Personally I would feel more secure if Bermuda invested in renewable sources. Especially when plentiful free fuel sources are available in Bermuda in the form of solar and wind. We need to look in to the future; fossil fuel is a short term solution.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Jennifer Lightbourne

Sarah Cooke 3 Bellevue Drive Paget, PG06 Bermuda 236 0002 cooke@logic.bm

27 November 2018

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms. Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar as it is in the best interests of Bermuda, in the medium and long-term, to move to sustainable, clean renewable energy. We are an island nation – everyone of us will be adversely affected by the continuing increase in sea temperatures and rising sea levels – so it is imperative that we take bold, thoughtful action to move in that direction.

Rather than being timid in our efforts to move toward demonstrably effective clean technologies, we should seize this opportunity to model what a country can and should

do to in response to the IPCC's report of 8 October 2018 on global warming and climate change.

One purpose of the 2016 Electricity Act is to "promote economic efficiency and sustainability in the generation, transmission, distribution and sale of electricity". The BE Solar plan moves Bermuda in that direction in that it:

- Proposes 64% of electricity be provided by renewable energy from the sun and wind by 2038.
- Uses the least-cost sources of energy and ones which Bermuda has a lot of sun and wind.
- Recognises that we have the ability to keep millions of dollars in the Bermuda economy.

The Bermuda Better Energy Plan is based on careful, detailed research and proposes the use of renewable energy technologies that are already being used by other countries. Experts agree that clean technology is only going to get better and become less expensive. Given this, it is clear that the plan is consistent with the purposes of the Electricity Act and ministerial directions.

Thank you for the opportunity to respond to the IRP Bulk Generation Proposals.

Yours sincerely,

Sarah Cooke

Melanie Claude Sea Breeze, 69 North Shore Road Pembroke HM13 Bermuda

Telephone: 526-6153

E-mail: melanie.claude@chubb.com

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

20 November 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Will send a positive message to other countries that Bermuda wants to make a healthier and more energy efficient environment for its people and visitors.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Melanie Claude

Dande

### Keren Lomas 6 Mid-Ocean Drive St George's Parish, HS02 293 0942

kerentomas@yahoo.com

21st November 2018

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

Dear Mrs. Lister

Subject: Response to Consultation Document: Comments on IRP Bulk

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals. Although I have repeated below the suggested wording to assist in responding in a timely fashion to the Regulatory Authority's proposals, I have added at the end my own personal recommendations for the creation of power locally. I hope you have time to read my notes.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

Personally, I would like to see this Bermuda plan reworked to take more carefully into consideration environmental issues peculiar to our islands as well as spreading among the population via the use of solar panels and photovoltaic panels the responsibility of generating power for home and business use. It is a great disappointment to me that the Department of Planning fails to require the installation of such panels on every new roof, with the number of such panels being proportionate to the roof space available.

Paige Martin
120 Somerset rd
Sandys
MA06
Bermuda
705-2565
pallen@bhs.bm

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

27 November, 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals. My name is Paige Martin and I attend Bermuda High School. I'm interested in this proposal because I go to school near Belco and I see and hear the air and noise pollution that is constantly being produced. Although I understand that fossil fuels will be used in this plan, 64% more reliance on solar and wind energy will greatly contribute to a reduction in the air and noise pollution currently produced. This plan will take place over the next 20 years and will therefore affect not only myself but everyone else who is growing up in this generation as well.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Although Bermuda is a small island and contributes to climate change much less compared to larger countries such as China and the US, any contribution is still a relevant problem.
- The argument that wind turbines are not aesthetically pleasing is not a problem in this case as the
  wind turbines will be offshore, where there is a greater portion of energy being generated as the
  turbines are not being blocked by buildings or land.
- Bermuda also has an average wind speed of 12 knots which is more than sufficient for wind turbines, which require 7 knots in order to generate electricity.
- The air pollution created by the burning of fossil fuels likely gets deposited on our roofs therefore causing the population to face higher costs of having to have their roofs repainted and potential health problems if the water filtration is not working at its full potential.
- For a third of the year, Bermuda has a UV index of 10 on average and for half of the year, the average UV index ranges from 8-10. This means that there is substantial solar energy that can be used to generate a large amount of energy for the island.

Alexandra Calauro
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FL02
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703-4114
acalauro@bhs.bm

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

November 27th, 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

My name is Alexandra Calauro and I am an IB2 student at The Bermuda High School for Girls. I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals. I think that encouraging the increased use of renewable energy would be beneficial for Bermuda because it is better for the environment due to the reduced reliance on fossil fuels and contributes to a better economy as well.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial
  directions for the least-cost provision of reliable electricity. The plan provides clear
  and convincing evidence that renewable energy can deliver a substantial reduction
  in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Reduces Bermuda's reliance on the importation of fossil fuels, therefore reducing carbon emissions by 62% and contributing to a better environment for both locals and tourists.
- Allows for the creation of more jobs working with renewable energy and is cheaper than importing fossil fuels, thus promoting a better economy.

- As an MEDC, Bermuda has a higher rate of energy consumption than some other countries, so it is important that we reduce the dependency on non-renewable resources.
- Due to Bermuda's small size, strategies such as encouraging the use of electric vehicles would not be inconvenient and could be easily implemented, but still have a significant impact on energy consumption.
- Both solar and wind energy are sustainable forms of energy, so the future generations in Bermuda would not be compromised by the Better Energy Plan in the same way as they would be by the BELCO Plan, and there is potential to increase the standard of living in the future.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Alexandra Calauro

Zillah Welch 19 Richmond Road Pembroke Parish Bermuda zwelch@bhs.bm

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

27 October 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am a S4 student who is currently in IB2 at Bermuda Highschool (BHS). I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals. I find this plan to be very important as our dependence on fossil fuels for our energy is detrimental to our future. They are impacting our atmosphere and our health. The resource of fossil fuels will soon run out and the prices will rise until there is no energy available. Our country is small but we depend on electricity. By creating this plan and steadily building the resources for sustainable energy we will be able to build towards our future and ensure that we will have access to energy even when fossil fuels do run out.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- It will help create more jobs for Bermudians and will also aid in keeping money within our economy instead of losing money by depending on other sources.
- It is sustainable and less expensive meaning that electricity would be cheaper in the future.

- The use of wind turbines and solar panels provide different ways to produce energy which aid in its sustainability.
- The island would also have access to electricity during storms and hurricanes which is good as there will be open communication if any accidents do occur.

Currently BELCO is mainly using fossil fuels as a source of energy. With this plan the consumption of fossil fuels will decrease. This means that there will be less pollution which will have a positive effect on health. I find this plan to be a great opening to pave the way for our future. It ensures that we will have access to energy and is great for reducing the poor effects on the atmosphere.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Zillah Welch

Coral Ledge, 10 Cedarberry Drive Hamilton Parish, CR04 +1 (441) 505-6644 arthurwightman@gmail.com

The Chief Executive Officer Regulatory Authority 1st Floor Craig Appin House 8 Wesley Street Hamilton HM11 Bermuda

Wednesday, 21 November 2018

Dear Chief Executive,

#### "Response to Consultation Document: Comments on IRP Bulk Generation Proposals"

Pursuant to Rules 18 and 30 of the Authority's Interim Administrative Rules I have pleasure in providing a response.

The Intergovernmental Panel on Climate Change Special Report on Global Warming of 1.5°C illustrates the danger to society, and the planet on which it resides, if net zero emissions of carbon dioxide don't reach zero by 2050.

Bermuda must look towards cost-efficient ways to make the economy more climate-friendly and less energy-consuming. Similarly Bermuda must do everything it can to treat the future as an asset to build sustainable prospects for generations to come. As a small country with a small population our ability to access a successful environmental outcome should be simpler than larger, more complicated nations; the national debt notwithstanding.

Any plan that perpetuates the use of fossil fuels is perverse to the needs of society. Natural gas is a fossil fuel. Global warming emissions from its combustion are lower than those from oil and yet remain manifestly destructive in ways that solar or wind do not. It would be irresponsible to our children and their children if we did not use this opportunity to chart a new course towards zero emissions in as short a timeframe as possible.

Of the plans submitted, Bermuda Better Energy Plan submitted by BE Solar, provides the clearest path and most convincing analyses to transition to a sustainable future. Specifically:

- It makes use of technology that has been proven to be commercially successful elsewhere in the world and highlights why its application would be successful in Bermuda;
- It appears to address most optimally, relative to the other plans, the stipulations of the Electricity Act;
- It satisfactorily demonstrates that carbon emission reductions can be substantial while providing pathways towards stable and potentially lower energy costs (i.e. Bermuda would be less susceptible to global volatility in imported fossil fuels) whilst retaining more economic circulation within the economy.

It is for these and other reasons that I support this plan relative to the others. That said, I believe more could be done to:

- a) Explore the use of carbon capture & storage technology to the extent that this plan has to periodically rely on some fossil fuel generated power.
- b) Evaluate the implementation of smart grids and the investments required.
- c) Better predict the impact that domestic or commercial power generation and storage could have on reducing the overall reliance on centralised power supply. Technology is moving very quickly in this domain and with that the accessibility of cost effective technology to citizens and businesses will rapidly increase. Thus, the level of investment required could be very sensitive to the downstream impact of this technology.

I am writing this response as a concerned citizen and not in any professional capacity. I would be happy to discuss this letter at your convenience.

Yours sincerely,

Arthur Wightman

Yassine Chentouf 8 Pearmans Hill Warwick WKo3 Bermuda 777-7466 ychentouf@bhs.bm

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

27 October 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

My name is Yassine Chentouf. I am a 16 year old S4 Student at Bermuda High School. I have always had an interest in the environment, its health, and what we as humans can do to create a mutually beneficial relationship with the world around us. A big part of this includes what fuels we use, what emissions we put off, and how we help or hurt our beautiful island, and even our planet as a whole. In order to further my k knowledge of these subjects, I am taking the course "Environmental Systems and Societies". Combining my knowledge of the environment and taking this course, I believe the best way forward for Bermuda's energy would to adopt the "Better Energy Plan"

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

Many people tend to support the status quo, or the movements of the status quo. BELCo, the main provider of energy on island, has put forward a plan as well. BELCo's plan switches fuels, and makes slight difference to the amount of emissions released. This fuel switches from oil gas, to a form of natural gas. While this makes a slight impact (and that is recognized), the better energy plan makes a much wider impact, for almost the same (projected) cost.

The fact that these two separate plans are the same cost almost immediately favours the Better Energy Plan. The better energy plan includes switching to a clean burning and more efficient main fuel (Liquefied Propane Gas), and also supports renewable energy. Renewable energy costs remain stable, and tend to be much cheaper than a fossil fuel (after implementation). On an environmental standpoint, they will uphold our islands beauty, as they have far less pollution and waste than the burning of fossil fuels. This protects the islands aesthetics, inhabitants, and would increase our soft power on an international scale as a country which favours renewable energy.

Many may be frightened that the implementation of these energies would be abrupt and disrupt the electricity they need for everyday tasks. However, within the better energy plan, they have accounted for this. They have projected the slow integration of renewable energies over 20 years' time, in order to both cause minimal disruption, and also in order to ensure the quality of implementing our new energy sources.

In conclusion I believe that following the Bermuda Better Energy Plan is the best option, for our cost and our environment.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Yassine Chentouf

# C. F. A. COOPER BA. JD. JP.

## Suite # 248, 48 Par-la-Ville Rd.

## Hamilton, HM 11, Bermuda

November 14, 2018

Monique Lister

**Regulatory Authority** 

1<sup>st</sup> Floor, Craig Appin House

8 Wesley Street, Hamilton, Bermuda

Re: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda' consultation on IRP BULK Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- 2) Uses technology that is in commercial use in other jurisdictions.
- 3) Has been developed using detailed and transparent assumptions and methodologies.
- 4) Let me say that I am a shareholder of BELCO but believe that their proposal has not been made on an objective basis with the best interests of

Bermuda at heart. I understand the one or more Directors plus a controlling shareholder are directly involved in the supply of LNG in the United States and it is this economic interest and not what is in the best interest of Bermuda that is driving the BELCO initiative.

5) I have installed a photovoltaic system at my house which provides a very successful supply of electricity. In fact in the summer I return into the grid more than I consume for which I was initially receiving a credit from BELCO. Since the rates have been unfairly changed I now have to pay a monthly charge although I am a net contributor to the grid.

Thank you for your time in reviewing my response. I look forward to learning of the final outcome of the IRP consultation process. If you wish to contact me my telephone is 505-3164 and email address is cfacooper@hotmail.com.

Yours Sincerely,

C.F. A. Cooper

Pamela Darrell
7 Shawood Rd
Pembroke
HM01
Bermuda
295 0708
ohdarrell@logic.bm

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

30 November 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Bermuda needs to play its part in reducing climate change via the use of renewable energy.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Panela Janelle

Yours sincerely,

Please sign or print your name here

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

# Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms. Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan (the Plan) submitted by BE Solar, as this Plan is in my opinion, the best solution for the people and environment of Bermuda and is the most consistent with the purposes of the Electricity Act.

The Plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilizing energy costs through clean renewable energy. Plus, this Plan uses technology that is in commercial use in other modern jurisdictions and the Plan has been developed using detailed and transparent assumptions and methodologies.

As Sir John Swan said earlier this week in the Royal Gazette "Bermuda's future energy policy must be set by socially responsible action that attempts to reduce the extremely high cost of electricity and to continue the island's commitment to the public's good health and stable living at affordable prices in step with the world's dramatic movement towards clean energy."

I second those remarks and believe the Bermuda Better Energy Plan is the best plan to accomplish this goal.

Respectfully submitted,

Mark Orchard

MariaLuisa Marshall 6 Happy Talk Lane Paget DV 04

441-538-8138 mastarit@northrock.bm

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

November 30th, 2018

Subject: Response to Consultation Document:

Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial
  directions for the least-cost provision of reliable electricity. The plan provides clear
  and convincing evidence that renewable energy can deliver a substantial reduction
  in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Bermuda Better Energy Plan fits better with Government's plan as outlined in the Throne Speech where they want to replace our current gas powered buses with electric buses. Hopefully this a first step to go from a fossil based energy system to a renewable energy system. Also, as we are an island we must protect our environment as our eco system is very delicate and is threatened by the world's pollution. By adopting more sustainable forms of energy we can reduce the emissions that are released into the air and as a result protect our way of life. We collect rain water for our drinking water and we must ensure that the air is as clean as possible. Using renewable energy will help us to lower our carbon footprint and

ensure that our drinking water is as clean as possible. BELCO's plan threatens our health as the use of LNG will increase pollution and is a drain on the country's finances.

- As a community, we must be innovative regarding how to provide electric power to
  our residents and businesses. Sustainable energy technology has seen many
  developments over the last ten years and these will continue as more investment is
  made in renewable energy. This new technology will provide new job opportunities
  for our young people in computer science and engineering. The savings Bermuda
  will see as our use of fossil fuels decreases can be channelled into our educational
  system to develop a STEAM curriculum and enable our young people to be leaders
  in this new field in Bermuda and world wide.
- I believe Bermuda can be an example for the world to be a country powered by renewable and sustainable energy sources. I hope that eventually all motorized vehicles will be electric and homes and businesses will be mostly powered renewable energy.
- BELCO's plan is not a feasible plan and will cost the island money and our health.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

MariaLuisa Marshall

Megan Boyle
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Hamilton
HMCX
Bermuda
441-232-3224
Mboyle1884@gmail.com

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

12 November 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial
  directions for the least-cost provision of reliable electricity. The plan provides clear
  and convincing evidence that renewable energy can deliver a substantial reduction
  in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely

Megan Boyle

House/apt number and street:

Town, parish: 9 Relieve Dr.

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

Postcode: Paget Country: PG 06 Telephone: 236 2326 Email: Saskia@vantienhoven

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

Comments to add: ...

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Saskia PEARMAN.

Sir John Swan 10<sup>th</sup> Floor West 141 Front Street Hamilton HM 19 Bermuda 295-1785 sirjohn@challengerbanks.bm

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

28 November 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Please see my suggestions in the attached article that appeared in the Royal Gazette on November 20, 2018.

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

" - A-1

Yours sincerely,

Sir John Swan





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## Ten days to make our voices heard on the future of Bermuda's energy

Sir John Swan, Michael Murphy

Published Nov 20, 2018 at 8:00 am (Updated Nov 20, 2018 at 8:02 am)

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Sir John Swan (File photograph)

# As I do periodically with regard to technical matters concerning the future and economic wellbeing of the island, I was recently discussing with my good friend, Mike Murphy, an issue that affects every one of us: Bermuda's future energy policies. Where are we heading under the Regulatory Authority of Bermuda and Belco management, and will they keep the island cost-effective and competitive for future generations?

Mike was my ex-officio adviser and, eventually, partner in setting up the US/Bermuda Tax Treaty and legislative conditions making it possible to facilitate the development of the professional insurance/reinsurance industry in Bermuda. After comparing notes, Mike offered to do some research and reconvene. What follows is the result of our joint efforts and findings.

As a November 30 deadline looms for the RAB to receive public comments on Bermuda's Energy Plan, it is essential that all of us focus on this important matter now and make their collective voices known to the RAB in writing before the deadline. The public opinion and size of the response will carry weight to determine the



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island's fate with regard to future electricity costs and our environmental commitment in the world over at least the next 20 years.

The choices emerging for Bermudians are two: either the Belco Plan dated February 2018, relying almost exclusively — 85 per cent to 95 per cent — on fossil fuels to generate our electricity over the next 20 years or the more recently released Bermuda Better Energy Plan, projecting use of 64 per cent clean renewables of wind and solar power by the year 2038.

Under both plans, Belco remains the primary provider and distributor of the electricity.

Use of fossil fuels is necessarily a limited transitional part of the Bermuda Better Energy Plan, reducing fossilfuel dependency to about 36 per cent by 2038. Under one option in the renewables plan, no new investment by Bermuda would be necessary in a fuel-processing facility. This compares very favourably with the massive estimated \$120 million in new capital investment under the Belco Plan to deliver and convert liquefied natural gas to the end product of electricity. Signing up for a burdensome investment in another fossil fuel only puts Bermuda further out of step with the world initiatives to switch from fossil fuel to renewable energy.

In this rapidly changing world of technological development, climate change and increasing natural disasters, which almost all of the world's nation states — with a few head-in-the-sand exceptions such as Nicaragua, Syria and Donald Trump — attribute to global warming, it is incredulous that Bermuda would sign on to the Belco Plan. The most recent Throne Speech stated "High energy costs are among the first factors cited by investors and developers as a barrier to doing business in Bermuda. High energy costs have hurt workingclass Bermudians, forcing them to spend large amounts of their hard-earned money on an unavoidable expense, money that could otherwise be saved and pumped back into the economy. In fact, Bermudians pay the highest energy rates of any comparable jurisdiction."

If Bermuda used mostly wind and solar from facilities established here, as suggested under the Bermuda Better Energy Plan, it would provide both much needed local jobs in the economy to install and maintain the renewable facilities and substantially reduce the valuable foreign exchange we spend to pay for the fossil fuels to generate our electricity. Moreover, through the use of renewables, we would become more independent from the wildly fluctuating fossil-fuel world prices we have experienced over the past many decades that go directly into our consumers' bills as the fuel adjustment cost.

The supply of renewable energy could come right out of our backyard with wind and solar rather than fluctuation with every variation in weather, as natural gas does in the North American market. Should Belco commit to LNG as the answer over the next 20 years under the Belco Plan, those foreign fossil-fuel price swings remain completely beyond our control and will continue to be passed through to our already overburdened consumers.

Not only would a clear clean energy policy assimilated by Belco under the Bermuda Better Energy Plan be in sync with our government policy, but it would also showcase Bermuda to its tourist and business visitors as a location committed to avoiding the use of pollutants in our isolated but more pristine outpost, surrounded by a world drowning in an ocean of environmental problems.

The Throne Speech also commits the Government "to increase the uptake of renewable energy ... by proposing to increase distributed generation beyond the individual level, harnessing renewable energy for use on a community, commercial and utility scale". To adopt the Belco Plan in light of our government's existing commitments to reduce consumer energy costs and broaden the use of lower-cost renewables is grossly irresponsible. It would fly in the face of this government's commitments and that of the rest of the world to reduce use of fossil fuels for producing energy.

Of the world's total amount of investment in power generation in 2017, more than \$265 billion was invested in renewables compared with \$103 billion in fossil fuels, according to the Renewable Energy Policy Network think-tank. These amounts clearly show that the Belco Plan's goal of 5 per cent to 15 per cent renewables for the next 20 years is completely out of step with the rest of the world's financial direction and economic commitments away from fossil fuels.

It's not just the world at large, but our island neighbours and leading competitors in Caricom to the south of us, such as Cayman Islands and Barbados, who are setting targets to use up to 70 per cent renewables for their electricity production over similar time frames. Bermuda cannot afford to fossilise in their planning when so much is at stake.

The wind and solar power targets in the Bermuda Better Energy Plan can be reached more rapidly by inviting the private sector to participate. As one analogous example, Richard Branson, the billionaire owner of Virgin Group, spearheaded a plan to help Caribbean nations recover after hurricanes Irma and Maria ravaged several islands in 2017. The centrepiece of his plan is a push to replace outdated fossil-fuel power grids with renewable energy systems that can withstand extreme weather and boost economic development in the

Bermuda needs to open its thinking in this manner by adopting the Bermuda Better Energy Plan and by inviting well-developed and cost-effective, clean-power technology now from the foreign-owned private sector to participate alongside Belco to reduce our electricity costs.

Recently, Belco had a good opportunity to go renewable when approached by Twenty First Century Utilities, one of America's leading, innovative, private-sector utilities in delivering clean energy at cheaper rates to the consumer.



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TFC Utilities expressed intent to purchase Belco — actually, the parent Ascendant Group — for a reported price of \$15 per share, about 40 per cent in excess of the share-trading value at the time the letter of intent was presented. Had the majority of Belco shareholders accepted the offer, the new owner would have set a future clean-energy course for Bermuda power generation at cost-effective rates.

Instead of exploring the details and reporting the offer to its shareholders, as a responsible board of directors should do, the Belco board stonewalled the potential purchasers.

Now it appears, from more recent changes to Belco by-laws, that the directors and senior executives of Belco have caught a bad case of gold fever, tightening their control and preparing to reward themselves with rights to own a significant amount of shares by issuing themselves risk-free options before considering the flotation of the ownership and control of the company into foreign hands either privately or on a foreign stock exchange. None of this conduct helps to formulate a sensible energy policy for the future of the island; nor does it bring down the cost of electricity for the average Bermudian.

It also appears that since the reported TFC Utilities purchase offer, Belco has spent millions of its cash to repurchase its own stock at average prices that are in excess of the premium \$15 offering price. A significant amount of the rate increases approved by the RAB that we consumers all have experienced went to the pockets of a number of bought-out Belco shareholders at an inflated price rather than to a much needed sinking fund to help to satisfy the massive capital commitments that Belco — and Bermuda — require to

Only the existing directors, and perhaps one or two controlling Belco shareholders, appear poised to choose fossil fuels over clean energy if the public don't weigh in before November 30 and make their voices heard for the Bermuda Better Energy Plan. Unless enough support is expressed for the Bermuda Better Energy Plan in writing to the RAB at electricity@RAB.bm, the Belco Plan is the default plan to go into effect.

Bermuda's future energy policy must be set by socially responsible action that attempts to reduce the extremely high cost of electricity and to continue the island's commitment to the public's good health and stable living at affordable prices in step with the world's dramatic movement towards clean energy.

 Sir John Swan, a businessman, was the former Premier of Bermuda between 1982 and 1995, and a former Belco board member. Michael Murphy, a former attorney for American International Group, was the chairman of the Association of Bermuda Insurers and Reinsurers between 1985 and 2005

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## Comments

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Published Nov 20, 2018 at 8:00 am (Updated Nov 20, 2018 at 8:02 am)

Ten days to make our voices heard on the future of Bermuda's energy

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Dr. Jamie Bacon Maylance, 12 Berkeley Road Upper Apt Pembroke HM07 735-9630 jbacon1031@gmail.com

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

27-November-2018

### Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the
  least-cost provision of reliable electricity. The plan provides clear and convincing evidence
  that renewable energy can deliver a substantial reduction in carbon emissions while stabilising
  energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.
- Will significantly decrease petroleum hydrocarbon pollution.

I have been studying the effects of petroleum hydrocarbons on local wildlife since 2000 in my role as Principal Investigator for both the Bermuda Amphibian Project and the Wetlands Remediation Project. My collaborator, Dr. Douglas Fort, President of Fort Environmental Labs, and I have documented extremely serious effects including an alarmingly high incidence of deformities in Bermuda's toads and one of the worst cases of endocrine disruption ever reported (exhibited by fish, toads and terrapins). These effects are due to PAHs or polyaromatic hydrocarbons which are produced by the combustion of fossil fuels. We have published several papers and I would be happy to send them to you. We've also tested the sediments of four residential water tanks including my own. I live near enough to Belco that they pay half the cost of re-painting our roof every two years. We found that the sediment in my tank after just 7 years contained enough PAHs to cause amphibian deformities and endocrine disruption similar to what we found with pond sediments, and I can tell you that those results were most concerning to me personally. I have since been very careful to filter my drinking water.

This issue of contaminated water tanks is important enough that we are currently working with Dr. Geoff Smith of the Department of the Environment and Natural Resources to determine the sources of PAHs in water tanks at selected sites across the island. Because of our research, I strongly support the Bermuda Better Energy Plan because it does significantly more to reduce the

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda Futhlen Brown
FI Harrington Sound Rd,
Smiths
Bermuda
526-6218
Kathleenture @ live.com

18 November, 2018

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

I am writing to submit a response to the Regulatory Authority of Bermuda's consultation on IRP Bulk Generation Proposals.

I support the Bermuda Better Energy Plan submitted by BE Solar, as this plan:

- Is the most consistent with the purposes of the Electricity Act and ministerial directions for the least-cost provision of reliable electricity. The plan provides clear and convincing evidence that renewable energy can deliver a substantial reduction in carbon emissions while stabilising energy costs through clean renewable energy.
- Uses technology that is in commercial use in other jurisdictions.
- Has been developed using detailed and transparent assumptions and methodologies.

- you need to take better care of the earth, as the cheapest option isn't always the best option

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Kathleen Brown

Alexandra Quinn-sirera

Willa Mont cloure, Harrington

Sound Mood

Smiths, Bermuda

FLO7

Bermuda

535-2589

aquinnsirera@gmail.com

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

Dear Ms Lister,

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- Has been developed using detailed and transparent assumptions and methodologies.

will help reduce the negative impacts we have on the environment and will make people more aware about Bermuda's natural environment

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Alexandra Quinn-sirena

Natalie Lightbourie.

1 Studio Loine
Hamilton parish
FLOY Bermuen 591-9501 Nakalie . Werny @gmail.com

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda

Subject: Response to Consultation Document: Comments on IRP Bulk Generation Proposals

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It is the only one we have.

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Peter Komposch 5 west point lane Harriton bismul 18 November 2618

Monique Lister
Regulatory Authority
1st Floor, Craig Appin House
8 Wesley Street
Hamilton, Bermuda

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· Fossil fules will & Sur out

remains renewable energy wont two out

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Hocey McGrowan
33 Unit#1
Longbay hane
18 November, 2018

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Omeric Maxwell 32 Rockywald Drive Soudys Marenber 18,3018

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I trusty believe that this is a great delicted to not only reby an frassel fuls but to use Bermudas natural reconsumes. However Please been in mind the safety of the animoment especially when building the applicable windrible

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Yours sincerely,

Mapall warned

18th November 2018

Monique Lister Regulatory Authority 1st Floor, Craig Appin House 8 Wesley Street Hamilton, Bermuda Grace Arrowsmith

I Between The Walls

HMOb

Pembroke

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Grace Arrowsmith

Kate Tobin

4 Canden North Rd

Paget, Bermuda

DV03

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gath tell

CAMILLA STRINGER 153 MIDDLE ROAD SOUTHAMPTON SN 02 25/11/18.

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Is the more responsible way to safe-guard scarce resources for the future

reduces negative environmental impacts may generate more local income

refreduce petrocar bons in the environment

Thank you for your time in reviewing my response, I look forward to learning of the final outcome of the IRP consultation process.

Yours sincerely,

Cavilla Minger.

Daniela Bugliore

3 Sanz lane, Harray Rd
Paget, BDA

PGG 4

532-0808

DBuglione @ Saltus.bm

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· Fossil feels are limited and toxic to our Environment.
This is an important issued issue that cannot be

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Yours sincerely,

Daniela Buglione

Sarah Whittaker

2 Great Bay Condo

#3 Smiths hill rd.

St. Georges, Bermuda

0002

703-4741

Swhittaker. bear Ogmail. Con

Monique Lister
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8 Wesley Street
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· Will improve environment and help the animals

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Yours sincerely,

Joshua Talkot

8/Dunscombe ed

Warwich/Bernuda

WK 08

Bernuda

705-2355

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Joshuaeftalbotamila

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