

**Community Advisory Council
February 13, 2020
Action Items/Notes**

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Deer Management/4Poster Devices
5. Electron Ion Collider
6. Environmental Updates
7. Agenda Setting
8. Community Comment

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, M. Dikeakos, B. Dorsch, J. Gettler, D. Gibbs, J. Granzen, T. Green, S. Hartzel, R. Hodgkin, B. Howe, B. Jankauskas, A. Juchatz, N. Lone, D. Manning, J. Nunez, A. Ozelis, V. Racaniello, A. Rapiejko, J. Remien, N. Sundin, R. Tribble, J. Wanless

2. Correspondence and Handouts

Items numbered one through three were e-mailed to Members on February 6, 2020. Items numbered four through six were available as handouts at the meeting.

1. Draft agenda for February 13, 2020 meeting
2. Draft notes from the October 10, 2019 meeting
3. Draft notes from the November 14, 2019 meeting
4. Copy of presentation: EIC Announcement
5. Copy of presentation: Environmental Updates
6. Copy of presentation: Deer Management/4Poster Devices

3. Administrative Items

The meeting was called to order at 6:33 p.m. Reed Hodgkin, facilitator, welcomed everyone to the meeting. He reviewed the ground rules and draft agenda and those present introduced themselves.

David Sprintzen announced that he will no longer be representing the Long Island Progressive Coalition on the CAC. The LIPC has resigned their membership.

Hodgkin said David Sprintzen has officially requested Individual Membership on the CAC. A discussion will be held next month to reply to this request.

The October notes were approved with none opposed and two abstentions.

The November notes were approved with none opposed and four abstentions.

Budget Update

Doon Gibbs said the President's proposed budget for 2019 was down by 15-20% from 2018. The House and Senate deliberated, and the budget we are currently operating under is up by about 10% for the Office of Science from 2018. This pattern has been the same for the last few years. The proposed budget for 2020 is also down by about 15-20% for the Office of Science, so we will follow the same process and wait until the budget discussions are completed in the fall. There are significant increases in some areas, and there is funding for the EIC, RHIC running, and three beamlines at NSLSII. The numbers could increase as they have in previous years.

Member Perez asked what can be done from an advocacy standpoint to help out the Lab.

Gibbs said we cannot advise you on that. That is up to you.

Member Martin asked if these figures are prior to the approval of the EIC.

Gibbs said there was a line item last year for the EIC and there is another one for next year. We are very pleased.

Member Bowerman asked if there is a schedule for the transition from RHIC to EIC yet.

Gibbs said Bob Tribble is prepared to present to you on that topic tonight.

4. Deer Management/4Poster Devices, Tim Green – Environmental Protection Division

Tim Green said the Lab is looking to remove additional deer from the site this year. The current deer population is about 300 on site and we would like to get it down to where it should be. This action is scheduled to occur over two weekends: March 6-8, and April 4-6, 2020.

Green said the use of the 4-Poster tick management system has new regulations that require notification of neighbors and consent for use by the landowner. The CAC serves as our public due to civic organization involvement. The period of operations is expected to be April – October. We can give presentations to interested organizations.

Member Krupski asked if this is a set it and forget it device.

Green said no, they require maintenance and are costly.

Member Schuhmann asked if you need a letter from our organizations giving permission or approval to continue operations on this.

Green said we don't need approval but will make note of it.

Schuhmann said he will report back with the information.

Member Esposito said last week the DEC was saying they are concerned about the tick population this year because there were not many days below freezing. That makes this program even more important.

Stack Update

John Sattler provided a remote update on the demolition of the High Flux Beam Reactor Stack. He said the Army Corp is managing the demolition, therefore handling the contract. The contract has been awarded to Olgoonik and that award was based on best value: combination of price and technical review.

Hodgin said there will be a more detailed presentation during the April CAC meeting.

Member Martin asked what the completion date is.

Sattler said the contract that was awarded requires the company to complete all the demolition activities by the end of this fiscal year.

Member Madigan asked what the start date is.

Sattler said we do not have a start date yet.

Member Heil asked what the height of the stack is and if this contractor is a minority-owned business.

Sattler said the stack is about 320 feet tall and it is a minority-owned business

Member Bowerman asked if there are any anticipated impacts on employees.

Sattler said it should not impact any Laboratory operations or employees.

Member Doroski asked if you have done any assessments on environmental ramifications to workers on site and local communities. It seems to me that you are moving quickly on this.

Sattler said there will be radiation air monitoring during the project.

Hodgin said I will make sure that question is a core request for the April meeting so we will get more detailed information on that specifically.

5. Electron Ion Collider, Robert Tribble – Deputy Director for Science & Technology

Bob Tribble said, the goal of the Electron Ion Collider (EIC) is to provide us with an understanding of the internal structure of the proton and more complex atomic nuclei that is comparable to our knowledge of the structure of atoms. He said repurposing RHIC eliminates the risk of building a new hadron beam facility, the most complex part of the EIC. Questions we hope the EIC will answer include: How does the proton get its spin, What is the nature of dense gluon matter, How does the proton get its mass, and How do quarks and gluons form nucleons and nuclei?

Member Sprintzen asked if RHIC is over. Has it accomplished what it set out to do?

Tribble said we have some important measurements taking place right now at RHIC that have another one to two years of running. We are in the process of constructing a detector, called s-PHENIX, that we plan to run for about three years. The goal of the RHIC complex was to find the quark gluon plasma, and we accomplished that. So, we accomplished the original goal and now are able to uncover what that really means.

Member Shuhmann asked if the EIC itself is entirely U.S. funded. Are there any international partners? How many detectors will be in there?

Tribble said we are anticipating significant international contributions. We have two interaction regions in our design.

Member Doroski asked what the cost will be. Will NY State be funding some of it?

Tribble said the cost range is 1.6-2.6 billion dollars. NY State has agreed to fund \$100 million for infrastructure improvements.

Tim Green said this project, as with every other one, will go through an environmental review. We expect to hear shortly from the DOE that we need to do an environmental assessment as well.

6. Environmental Updates, Jason Remien -

Remien spoke about the testing of private wells for PFAS and 1,4-Dioxane and gave the status of the first 111 properties. He said an additional 50 properties have been identified and need to be evaluated. He presented the results of the 59 private supply wells that have been tested so far.

Member Esposito asked how it is determined which properties have private wells.

Andy Rapiejko, SCDHS, said there is no database with that information available. We went to SC Water Authority (SCWA) and looked up which properties were not customers to determine which ones may potentially be using a private well. First, we define an area of possible impact, then used SCWA to determine which ones are not customers and developed a list. We have found that the information at SCWA is not always simple. A person can have a meter at their house and pay a minimum monthly bill, making them a customer, but they don't actually connect to it. We are trying to work through this and have found there is a field in the file that if a homeowner answers no, it indicates they probably have a private well. Those are the additional 50 properties that we have just identified.

Member Esposito asked what the depth of the wells where detections were found.

Remien said typically 70-80 feet. Many times, the homeowners did not know the depth of their wells.

Remien said the Lab is continuing to characterize PFAS and 1,4-Dioxane groundwater both on- and off-site and the two BNL firehouse PFAS plumes. Remien also presented the results of off-site groundwater sampling conducted by NY State that showed elevated concentrations of PFAS near off-site community firehouses in Shirley and Manorville, as well as near the Brookhaven-Calabro airport.

Remien then spoke about the CERCLA Five-Year Review, which evaluates the implementation and performance of remedies and whether they continue to remain productive. He said the Lab will be emailing survey questions to the CAC during the week of February 17th, and the March meeting will include a review of the Five-Year Review process and discussion on CAC input.

Hodgin said we expect to have a more in-depth presentation next month on this topic.

7. Agenda Setting

David Manning said we will have a significant review of the Stack removal in April. We will also have an opportunity for a science presentation. If you have any suggestions on a topic, let us know. Potential ideas include: offshore wind projects, integration of renewal energy at the grid, grid-level energy storage, and sky trackers to improve the efficiency of solar panels.

Member Esposito said if anyone is interested in joining the pro off-shore wind coalition, please email me.

Member Doroski asked if the presentation on the Stack removal from a few months ago can be re-sent to the CAC.

Hodgin said yes, we can do that.

8. Community Comment

There was no community comment.

The meeting adjourned at 8:54 PM

Next meeting: March 14, 2020

P = Present	2020	Affiliation		First Name	Last Name	Jan No mtg	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
		ABCO – Civic (Garber - 04/02) (Bevington – 6/14) (Keenan-10/14)	Member	Ray	Keenan		P										
		(Madigan -10/10)	Alternate	Michael	Madigan												
		American Physical Society – Business & Labor	Member	Reinhart	Schuhmann		P										
		(Schuhmann 1/14, member 9/15)	Alternate	Donavan	Hall												
		Brookhaven Coalition of Chambers of Commerce – Bus & Labor (added 6/15)	Member	Ron	Trotta												
		Brookhaven Retired Employees Association- BNL (Peskin - 09/09)(Franz 1/17)	Member	Mark	Israel												
		(Franz - 12/09)(Israel 1/17)	Alternate	Eena-Mai	Franz		P										
		(Shapiro-1/13)	Alternate	Steve	Shapiro												
		Citizens Campaign for the Environment – Advocacy & Environment	Member	Adrienne	Esposito		P										
		(Somma 11/16)	Alternate														
		Colonial Woods Whispering Pines – Civic (Birben - 06/09) (O’Neal 01/15, removed 10/15)	Member														
		(Rehbein -11/10)	Alternate	Eric	Rehbein												
		Coram Civic Association (Ziems - 06/12)	Member	Paul	Ziems												
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk		P										
		East Yaphank Civic Association (Feinman 06/19)	Member	Robert	Feinman												
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack												
		Emeritus (changed 3/8/12)	Member	Jean	Mannhaupt												
		Foundation for Economic Education – Ed, Sci, & Tech (5/14)(Martin – 10/14)	Member	Bruce	Martin		P										
		(Pratka – 10/14)	Alternate	Craig	Pratka												
		Friends of Brookhaven- BNL (Kaplan 07/01–11/15)(Bowerman 11/15)	Member	Biays	Bowerman		P										
		(Schwartz - 11/02) (Ocko added 11/15)	Alternate	Steve	Schwartz		P										
			Alternate2	Ben	Ocko												
		Huntington Breast Cancer Coalition – Health-Based Rep	Member	Mary Joan	Shea												
			Alternate	Scott	Carlin												
		Individual	Member	Jane	Corrarino												
		Individual	Member	Karen	Blumer												
		Individual	Alternate	Michael	Madigan		P										
		Individual	Member	David	Sprintzen		P										
		L.I. Pine Barrens Society – Advoc & Env	Member	Richard	Amper												
		(Murdocco - 04/11, deleted 6/12) (Muller added – 8/12)(Katie Rose Leonard added – 6/13)(Muether added – 5/15) (Wolf added-1/19)(Moran added 2/20)	Alternate	Claire	Moran		P										

P = Present	2020	Affiliation		First Name	Last Name	Jan No mtg	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
		Lake Panamoka Civic Association (Biss - 04/02)(Staddon 10/17)	Member	Richard	Staddon												
		(Grandal - 10/10)	Alternate	Bonita	Grandal												
		Longwood Central School Dist. – Ed, Sci, & Tech (Castro -06/09)(Adams 9/15)	Member	Tracy	Adams												
		(Gerstenlauer removed & Sterne added 5/14 removed 9/15)(Infranco1/17)	Alternate	Paul	Infranco												
		Mastic Park Civic Association (Sicignano – 6/12)	Member	John	Sicignano		P										
			Alternate	Clara	McManus												
			Alternate	Joe	May												
		Middle Island Civic Association (Filler 2/17)	Member	Martin	Filler		P										
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy												
		NLSL-II User Committee – BNL	Member	Jean	Jordan-Sweet		P										
		(Ravel -02/11-9/15)(Bohon added 11/15)(Bohon removed)	Alternate														
		Ridge Civic Association (Henagan removed 9/15)(Chattaway added 10/15)(Casanova added 11/19)	Member	Ken	Casanova		P										
		Suffolk County Legislature 1st Dist. - Government (added 6/15)	Member	Al	Krupski		P										
			Alternate	John	Stype												
		Teachers Federal Credit Union – Bus & Labor (Murdocco 3/15) (Stafford 1/18)	Member	Christine	Stafford												
			Alternate														
		Town of Brookhaven, Senior Citizens Office - Government	Member	James	Heil		P										
			Alternate														
		Town of Riverhead - Government (Doroski - 04/11)	Member	Isidore	Doroski		P										
		(Hulme - 04/11 - 4/14)(Janis Rottkamp 04/16)	Alternate	Janis	Rottkamp												
		Wading River Civic Association (Rundlett 09/16)(Kneitel 02/17)(Perez 06/19)	Member	Henry	Perez		P										
		(Bail and Guthy removed 11/2016)	Alternate	Linda	Rundlett												