

Community Advisory Council
April 11, 2019
Action Items/Notes

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Connecting Fundamental Atmospheric Research and Technology at BNL to Urban and Coastal Applications
5. Agenda Setting
6. Ticks, Tick-Borne Pathogens and Tick-Bite Prevention in Suffolk County
7. Community Comment

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: J. Anderson, S. Campbell, J. Carter, D. Feldman, D. Gibbs, R. Gordon, T. Green, R. Hodgins, A. Juchatz, P. Kollias, D. Manning, A. McComiskey, R. McKay, A. Ozelis, J. Remien, M. Schoonen, N. Sundin, R. Tribble, T. Ziems

2. Correspondence and Handouts

Items numbered one and two were e-mailed to Members on April 5, 2019 Items numbered three through five were available as handouts at the meeting.

1. Draft agenda for April 11, 2019 meeting
2. Draft notes from the February 14, 2019 meeting
3. Copy of presentation: Connecting Fundamental Atmospheric Research and Technology at BNL to Urban and Coastal Applications
4. Copy of presentation: Ticks, Tick-Borne Pathogens and Tick-Bite Prevention in Suffolk County
5. Additional handouts re: Ticks, Tick-borne pathogens and tick-bite prevention provided by SBU Southampton Hospital

3. Administrative Items

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

Jack Anderson, Deputy Director for Operations at BNL, said the Lab continues to work with the Suffolk County Department of Health Services on the CAC's recommendation to test private wells south of the Laboratory boundary for PFAS. He said this is a complex issue and something we can't undertake alone, so we are working in partnership with the County. He told the group he wanted them to know right up front that the Lab has been working very closely with the County. He said there have been a number of meetings to discuss how to collaborate and

the best way to approach this issue and how to collect this very important data. More recently, Dr. Gibbs and I met with the County in mid-March, and we've had two or three discussions this week. The Lab has submitted a very concrete proposal to the County on how to undertake this gathering of data, which is currently under review. Attorneys on both sides are reviewing the details, the finer points of the proposal. We appreciate and value your encouragement, suggestions, and this recommendation. We will continue to keep you informed as we gather data on this very important issue and these emerging contaminants of concern.

Member Esposito said this has been going on for several months. When will there be a conclusion? Time is of the essence. If the wells are contaminated, the longer we wait, the more exposure to the public. Can you provide a timeline?

Anderson said there are some complexities and a lot to consider. I think we are getting close. We are now allowing the attorneys to look at the details of the proposal. I can't give you a concrete answer. We are having very productive and engaging conversations.

Member Madigan asked, once you start the process, how long will it take?

Anderson said we have to work in close partnership with the County. The gathering of samples has to be done by them. The Laboratory can't do that. We do the data analysis once we have the data.

Jason Remien said typically there is a thirty day turn-around at the laboratory. We are working with an outside contracted lab, not BNL.

Member Madigan said; so the Lab is just paying for it, not doing the technical work?

Hodgin said the Laboratory is not doing technical work, they are basically funding and providing mechanisms for other folks to do the work.

Anderson said right, and to have the access to a lab that can analyze the contaminants of concern.

Member Esposito asked what is the smallest level of detection that the outside laboratory can get down to.

Remien said .6ppt, which is well below the current proposed standard.

Member Esposito said that's good.

Member Giacomaro asked if the CAC can see a copy of the proposal between the County and BNL.

Anderson said not at this point. It's pre-decisional so it would be premature.

Member Giacomaro asked when.

Anderson said we would have to discuss it with the County. It's a partner agreement. We would have to talk to the attorneys.

Giacomaro said, can you agree that you will be able to do that?

Anderson said, we can take your question back to the attorneys on both sides

***ACTION ITEM – Find out from attorneys if CAC members can see a copy of the proposed agreement between Suffolk County and BNL**

Member Esposito asked, since SCDOH is here tonight, do you have any more specific information about how many wells there are as opposed to parcels of land?

Doug Feldman, SCDOH, said not at this point. We estimate 97 properties, but we do not know how many wells there are.

Hodgin said there will be another update next month.

The February notes were approved as written with none opposed and four abstentions.

4. Connecting Fundamental Atmospheric Research and Technology at BNL to Urban and Coastal Applications, Pavlos Kollias – Center for Multiscale Applied Sensing

Pavlos Kollias said our goal is to improve the ability to predict changes in and plan/react to atmospheric changes. He spoke about fundamental atmospheric research and technology at BNL. He said that the urban and coastal environment is the most critical interface between humans and the atmosphere and explained the importance of making accurate weather predictions because extreme weather events are on the rise. Kollias said the Energy Exascale Earth System Model (E³SM) project is developing a computationally advanced coupled climate-energy model to investigate the challenges posed by the interaction of weather-climate scale variability with energy and related sectors. He spoke about the 3D cloud detection and tracking system for solar forecast using multiple sky imagers. Kollias said a mobile laboratory containing sensors that measure winds, air quality, precipitation, and other variable is being deployed in urban and coastal areas as part of a larger effort to improve local forecasting capabilities in complex environments. He spoke about the use of drones to measure air quality and for meteorological research. In conclusion, he said BNL has considerable experience in multiscale, atmospheric measurement with state-of-the-art, transportable instrumentation. BNL also has unique expertise in mobile observing systems, data processing/analysis, high resolution modeling and field deployments.

Member Filler asked what will be done with the data that is collected. Is there a master plan?

Kollias said we need to be able to make predictions on the local level.

Member Sprintzen asked if there will be one model that will be applied to several localities.

Kollias said every space is different. One model could not address several cities. New York is complicated with varying landscapes

Member Trotta asked about the impact of wind farms on changing wind patterns.

Kollias said the impact is slight.

5. Agenda Setting

Nora Sundin said upcoming agenda topics are: biofuels by John Shanklin, Stack Demolition, Site Master Plan, Discovery Park, Artificial Intelligence

6. Ticks, Tick-Borne Pathogens and Tick-Bite Prevention in Suffolk County, Scott Campbell, PhD – Suffolk County Department of Health Services – Laboratory Chief, Anthropod-Borne Disease Laboratory

Scott Campbell spoke about the different types of ticks and the various diseases they transmit. He explained the life cycle and how they feed. He said it is possible to be coinfecting with more than one pathogen from one tick bite. He explained the difference between chiggers and larval ticks. Campbell spoke about the prevention of tick bites, the use of repellants and the proper way to remove an imbedded tick. He said more information is available from the SCDOH and the CDC.

Member Krupski asked how long a tick can live.

Campbell said they can't live years without a blood meal.

Member Staddon asked what the best tick repellant is.

Campbell said he mostly uses permethrin and layers of clothing.

7. Community Comment

There was no community comment.

The meeting adjourned at 8:50PM

Next meeting: May 9, 2019

CAC Agenda Setting Exercise – March 8, 2018

TOPICS

Solar Research/BNL Solar Farm	14
BNL Expenditures, Priorities, Function	10
BNL Business Connectivity – Doing business with BNL	10
Energy Production Innovation (open to public forum at BNL)	9
Biofuels	9
NYS Power Grid	8
Medical Radioisotopes	5
Brookhaven Women in Science (BWIS)	5
Holographic Principles of Quantum Mechanics	4
Research related to Cancer cures	4
Top Ten Scientific Discoveries	4
Update on Prion Research	3

				Jan	Feb	Mar No mtg.	Apr	May	June	July No mtg.	Aug No mtg.	Sep	Oct	Nov	Dec
P = Present	2018	Affiliation	First Name	Last Name											
		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	Donovan	Hall		P								
		Brookhaven Coalition of Chambers of Commerce – Bus & Labor (added 6/15)	Member	Ron	Trotta		P			P					
		Brookhaven Retired Employees Association- BNL (Peskin - 09/09)(Franz 1/17)	Member	Eena-Mai	Franz		P	P		P					
		(Franz - 12/09)(Israel 1/17)	Alternate	Mark	Israel		P			P					
		(Shapiro-1/13)	Alternate	Steve	Shapiro										
		Citizens Campaign for the Environment – Advocacy & Environment	Member	Adrienne	Esposito		P	P		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		P	P		P					
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk		P	P							
		East Yaphank Civic Association	Member	Michael	Giacomaro			P		P					
		(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		P	P							
		Friends of Brookhaven- BNL (Kaplan 07/01–11/15)(Bowerman 11/15)	Member	Biays	Bowerman		P	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		P								
		Individual	Member	Karen	Blumer										
		Individual	Alternate	Michael	Madigan			P		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)	Alternate	Ryan	Wolf		P	P		P					
		L.I. Progressive Coalition – Advoc & Env	Member	David	Sprintzen		P	P		P					

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P = Present	2018	Affiliation	First Name	Last Name											
			Alternate												
		Lake Panamoka Civic Association (Biss - 04/02)(Staddon 10/17)	Member	Richard	Staddon	P	P		P						
		(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	P		P						
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy										
		NSLS-II User Committee – BNL	Member	Jean	Jordan-Sweet	P	P								
		(Ravel -02/11-9/15)(Bohon added 11/15)	Alternate	Jen	Bohon										
		Ridge Civic Association (Henagan removed 9/15)(Chattaway added 10/15)	Member	Wesley	Chattaway	P			P						
		Suffolk County Legislature 1st Dist. - Government (added 6/15)	Member	Al	Krupski				P						
			Alternate	John	Stype		P								
		Teachers Federal Credit Union – Bus & Labor (Murdocco 3/15) (Stafford 1/18)	Member	Christine	Stafford	P									
			Alternate												
		Town of Brookhaven (Graves – 06/06) (removed 1/2015)	Member												
			Alternate												
		Town of Brookhaven, Senior Citizens Office - Government	Member	James	Heil	P									
			Alternate												
		Town of Riverhead - Government (Doroski - 04/11)	Member	Isidore	Doroski		P		P						
		(Hulme - 04/11 - 4/14)(Janis Rottkamp 04/16)	Alternate	Janis	Rottkamp										
		Wading River Civic Association (Rundlett 09/16)(Kneitel 02/17)	Member												
		(Bail and Guthy removed 11/2016)	Alternate	Linda	Rundlett				P						