

Community Advisory Council
April 10, 2025
Action Items/Notes

Final

Note: This was a hybrid meeting, held virtually through Zoom and in-person in Berkner Hall, Room B.

A video recording of the Zoom meeting is available.

These notes are in the following order:

1. Attendance
2. Correspondence and handouts
3. Administrative items
4. Environmental Updates
5. Battery Research at BNL
6. New Member Introduction
7. Community Comment
8. Agenda setting

1. Attendance

Members/Alternates Present: See attendance sheet at the end of the notes

Others Present: B. Barth, R. Dineen, A. Emrick, A. Engel, S. Gonzalez, K. Green, J. Hill, A. Juchatz, A. Klein, S. Kohler, D. Manning, A. Marschilok, R. McKay, J. Milligan, A. Morocho, A. Ozelis, D. Paquette, C. Polanish, V. Racaniello, A. Rapiejko, A. Reed, J. Remien, M. Sweet, J. Wanless, K. White, J. Williams

2. Correspondence and Handouts

Items numbered one and two were e-mailed to Members on April 3, 2025. Items numbered three and four were e-mailed to Members on April 10, 2025.

1. Draft agenda for the April 2025 meeting
2. Draft notes from the March 2025 meeting
3. Copy of presentation: Environmental Updates
4. Copy of presentation: Battery Storage Overview

3. Administrative Items

The meeting was called to order at 6:31 p.m.

Ken White, Facilitator, welcomed everyone and went over the ground rules. He asked everyone present in the room to introduce themselves.

Amy Engel then asked the online audience to introduce themselves and said quorum has been established.

David Manning said that Bob Gordon, BHSO manager, has retired. He then welcomed and introduced Andrea Reed, new Chief of Staff for the Lab Director.

Member Jordan Sweet said there was typo on the March notes. The word silicon was incorrectly spelled as silicone on page two.

The March 2025 CAC Action Items and Notes were approved as amended.

John Hill welcomed everyone. He said a Request for Information (RFI) was sent out this week for an Artificial Intelligence (AI) Data Center and Brookhaven is one of the possible sites. After all possible sites are identified, a Request for Proposals (RFP) will be sent out. They would like to move quickly on this. He said this will require its own power plant and will be developed by a public-private partnership, not DOE. But the hope is that it will benefit the Lab also.

Ann Emrick said she recently attended the groundbreaking for the new rail station and the Science User Support Center (SUSC) building is almost ready for occupancy.

4. Environmental Updates, Jason Remien – Manager, Environmental and Brian Barth (see presentation)

Topics covered:

- Building 197 Demolition and Mercury Remediation
- Groundwater Update – Western South Boundary PFAS/1,4-dioxane Investigation
- 2026 CERCLA 5-Year Review Kick-off

During the Groundwater Update discussion, Member Israel asked if there has been any progress on treatments systems for 1,4 Dioxane.

Barth said right now the most viable method is advanced oxygenation process.

The 2026 CERCLA 5-Year discussion included the following next steps:

- Conduct survey of CAC
- Perform site inspections during summer 2025
- Perform interviews with regulators
- Draft to regulators in January 2026

Below is the link to the NYSDEC info locator that was requested at the March CAC meeting:

- NYSDEC Info Locator: <https://giservices.dec.ny.gov/gis/dil/>

5. Battery Research at BNL, Amy Marschilok, Manager – Energy Storage Division, Energy Systems Division (see presentation)

Marschilok spoke about the Interdisciplinary Science Departments resilient energy focus:

Topics covered:

- US Energy Consumption
- Energy Storage must meet application need
- Center for Mesoscale transport properties
- Characterizing battery lifetime and mechanism operando
- Programs on new Lithium-Ion technologies
- Programs on new water-based battery alternatives
- Grid Scale Batteries
- HEX as a tool for designing better batteries
- \$25M NYS investment – HEX Beamline at NSLS II

Ken White relayed a question from Member Madigan:

Is any work being done on iron batteries at Brookhaven?

Marschilok said, yes we are doing work on iron as a material for energy storage.

Member Kern asked what the thoughts on replacement materials are for Lithium-Ion batteries and how soon will zinc batteries become a sustainable source. He asked about flammability issues and what do you see as a good replacement.

Marschilok said sodium is more environmentally friendly. However, depending on the type of sodium battery used, flammability can still be a concern. There is a lot of work being done on the various alternatives.

6. Discussion of new member applicant, Jeff Williams

Engel introduced Jeff Williams. Williams said he currently lives in the Country Point Meadows community across the street from the Lab. He explained that he worked at BNL for 33 years before retiring. He said that with his background and proximity to the Lab, he feels he would be a good fit to represent the residents in his community. There are currently 400 condo units and there is a new development being worked on now on the south side of the property. There will be 150 additional units there.

White asked if the CAC has any questions. He explained that there will be a closed session next meeting to discuss his request.

Member Jordan Sweet asked if there a meeting space on the Country Point Meadows property.

Williams said yes, there is a clubhouse and meeting space.

Member Sprintzen asked if there is an organization of residents. He asked if Williams volunteered for this role and if there is an actual group.

Williams said he was approached because Engel knew he was living there. Because of his previous experience, she thought he would be a good fit. Williams said he spoke to the Board of Directors that he had applied to join the CAC and represent the community. He plans to report back to the Board of Directors.

7. Community Comment

There were no comments from the community.

8. Agenda Setting

Engel said that we have received several requests for an update on nanotechnology. In the fall the Lab will be transitioning from RHIC to the EIC so we plan to have an update on that for you.

Member Sprintzen said it would be nice to have a summary of the work that has been done at RHIC.

Manning said Ann Emrick can't wait to host the CAC at the new SUSC building, which will hopefully happen in the fall with a tour and food served.

White said there will also be a presentation on the five-year review.

Engel said we plan to send out a survey by email with a link and four questions for CAC members to respond to.

Remien said we will continue to keep you in the loop and present to you the results. There will also be a natural and cultural resources next month.

Engel said the Lab would like to invite everyone to attend the next PubSci event at Napper Tandy's on May 7th at 7:00. The title will be, "Listening to the universe from the far side of the moon".

Meeting adjourned at 8:20 pm

Next meeting: May 8, 2025.

X = Present	2025	Affiliation		First Name	Last Name	Jan No mtg	Feb No mtg	Mar	Apr	May	June No mtg	July No mtg	Aug No mtg	Sep	Oct	Nov	Dec No mtg
ABCO – Civic	Member	Ray	Keenan					X	X								
	Alternate	Michael	Madigan					X									
Brookhaven Coalition of Chambers of Commerce – Business & Labor	Member	Ron	Trotta					X	X								
	Alternate	Carmine	Inserra														
Brookhaven Retired Employees Association- BNL Affiliation	Member	Mark	Israel						X								
	Alternate	Eena-Mai	Franz														
	Alternate	Arnold	Moodenbaugh					X									
Brookhaven Village Association – Civic	Member	Reinhardt	Schuhmann					X	X								
	Alternate	Chris	Ciervo														
Citizens Campaign for the Environment – Advocacy & Environment	Member	Adrienne	Esposito					X									
	Alternate	Christina	Lizzo					X									
Cornell Cooperative Extension – Health based	Member	Chris	Pickrell														
	Alternate	Lorne	Brousseau						X								
East Yaphank Civic Association - Civic	Member	Robert	Feinman														
	Alternate	Laura	Reid														
Emeritus	Member	David	Sprintzen						X								
FOREST - Advocacy & Environment	Member	John	Pavacic					X									
	Alternate	Tim	Green						X								
Foundation for Economic Education – Education, Science & Technology	Member	Bruce	Martin														
	Alternate	Craig	Pratka					X	X								
Individual	Member	James	Freeman					X									
Individual	Member	Jane	Corrarino														
Individual	Member	Karen	Blumer					X									
	Alternate	Michael	Madigan														
L.I. Pine Barrens Society – Advocacy & Environment	Member	Richard	Amper														
	Alternate	Travis	Cutter					X	X								
Longwood Central School Dist. – Education, Science & Technology	Member	James	Crenshaw														

	Alternate																		
Middle Island Civic Association – Civic	Member	Martin	Filler				X	X											
	Alternate	Margaret	Malloy																
National Grid – Business & Labor	Member	Brian	Sapp				X												
	Alternate																		
New York League of Conservation Voters – Advocacy & Environment	Member	Casey	Petrashek				X												
	Alternate 1	Alexis	Hidalgo																
	Alternate 2	Lea	Gibbins																
NSLS-II User Committee – BNL Affiliation	Member	Jean	Jordan-Sweet				X	X											
	Alternate	Matthew	Whitaker					X											
Ridge Civic Association – Civic	Member	Scott	Wood				X												
	Alternate	Barbara	Royce					X											
Stony Brook Hospital – Health based	Member	Erika	Karp				X	X											
	Alternate																		
Suffolk County Legislature 1st Dist. – Government	Member																		
	Alternate																		
Teachers Federal Credit Union – Business & Labor	Member	Jashmin	Futch				X	X											
	Alternate	Kathleen	Misiano				X												
Town of Brookhaven – Government	Member	Karen	Dunne Kesnig																
	Alternate 1	Patricia	Kaloski																
	Alternate 2	Julia	Norris																
Town of Riverhead - Government	Member	Bob	Kern				X	X											
	Alternate	Frank	Mancini																
Wading River Civic Association - Civic	Member	Henry	Perez																
	Alternate	Linda	Rundlett																