

**Community Advisory Council
January 14, 2016
Action Items/Notes**

Final

These notes are in the following order:

1. Attendance
2. Correspondence and Handouts
3. Administrative Items
4. Alternating Gradient Synchrotron Environmental Assessment
5. Agenda Setting
6. Community Comment
7. Natural Resources Management Update

1. Attendance

Members/Alternates Present: See Attached Sheets.

Others Present: S. Bogart, J. Carter, L. Garber, T. Green, R. M. Israel, E. Lessard, D. Manning, M. Maraviglia, R. McKay, D. Paquette, R. Reeder, J. Remien, N. Sundin

2. Correspondence and Handouts

Items numbered one and two were mailed to Members with a cover letter dated January 7, 2016. Items numbered three and four were available as handouts at the meeting.

1. Draft agenda for January 14, 2016
2. Draft notes from the December 10, 2015 meeting
3. Copies of Environmental Assessment for Alternating Gradient Synchrotron Complex, Upgrades for Continued Operations Presentation
4. Copies of Natural Resources Update Presentation

3. Administrative Items

The meeting was called to order at 6:32 PM. Reed Hodgins, facilitator, welcomed everyone to the meeting. He reviewed the ground rules and the draft agenda and those present introduced themselves.

Nora Sundin, liaison to the CAC, said that members of upper management were not at this evening's meeting because they are all attending meetings in Washington DC.

Member Sprintzen said Lab Director, Doon Gibbs, has not been attending meetings regularly. He said he feels CAC activities are taken more seriously when the Director is present.

David Manning, Director for the Stakeholder Relations office, said Doon Gibbs always makes sure that someone from management attends the CAC meetings. This group is very important to him and we will make note of your concern.

Member Corrarino said she heard that the New York State Government is increasing funding for BNL and she would like to hear an update so the CAC can be an advocate for the Lab.

Manning said it is a re-statement of the original \$65 million grant. There are two \$25M grants; one is for the HEX beamline on battery research and the other is for energy recovery at the Linear Accelerator. The additional \$15M is for data driven discovery, for the total of \$65M. We can get you a more detailed response on a future agenda if you would like.

Member Sprintzen asked if this gives BNL a better chance of being selected as the site for e-RHIC.

Manning said yes, this will help us in the case for e-RHIC.

Member Jordan-Sweet asked about funding for Discovery Park.

Manning said the Lab got a grant from the Empire State Development for \$1.8M. They are very excited about Discovery Park.

Hodgin said last month the CAC talked about providing input into the Peconic River process. BNL is developing a proposal approach to the cleanup, which will go to the regulators in the next few weeks. There is time for the CAC to provide input into the proposal if you are interested. He suggested the CAC start with the Lab's proposal in March and make recommendations from there.

Member Esposito asked when the CAC will be able get a copy of the proposal.

Jason Remien, Environmental Protection Division, said the draft is going to the DOE and then to the regulators in mid-February. It will then go the CAC for input. Think about if you want to create a small sub-group to make a recommendation.

Approval of Minutes

The December notes were approved as written with two abstentions.

4. Alternating Gradient Synchrotron (AGS) Environmental Assessment (EA), Tim Green, Environmental Protection Division

Tim Green said the Laboratory has an EA for the AGS but it is over 20 years old, so it is necessary to have a new one.

He spoke to the CAC about the NEPA (National Environmental Policy Act) process. He said an Environmental Assessment is necessary for the AGS because of the increased capability and the need for an upgraded facility.

He spoke about three alternatives that have been evaluated: The Accelerator Test Facility (ATF)-II Upgrade with other proposed changes to the AGS complex is the preferred alternative. The two other alternatives are ATF-II upgrade with no modifications to the AGS complex and the No Action alternative.

The changes under review by this EA are, moving the ATF from bldg. 820 to bldg. 912, which is much larger and the upgrades to ATF-II, which includes upgrading to higher energy, incorporating a CO2 laser, incorporating experimental halls and beamlines and State of the Art photocathode electron gun. He spoke about the Linear Accelerator (LINAC) and its uses, and the importance of the Brookhaven Linac Isotope Producer (BLIP). He explained how the AGS receives ions from the AGS Booster, which are then accelerated for injection into RHIC and the proposed addition of a second accelerator ring within the AGS tunnel.

Green said NEPA coverage for continued operation and maintenance will allow routine upgrades and maintenance of AGS for continued support of RHIC and NSRL. Many of the accelerator components will be re-used.

Member Shea asked to see simplified illustrations of the ATF.

Ed Lessard said he can provide some pictures.

***ACTION ITEM – Send CAC illustrations of the ATF**

Member Giacomaro asked where the power comes from.

Lessard said from the grid.

Member Madigan asked what the increase in electric power will be.

Green said there will not be a significant increase in energy use.

Member Sprintzen asked if the CAC could have more information on the upgrades in the future.

Green said we can bring in a scientist.

Hodgin said we will make sure that happens.

Member Biays asked if the reused components are radioactive.

Lessard said they can be. To meet our criteria, we use the least radioactive items. We need to keep workers to less than 500 mrem/yr, which sets the limit on what we can reuse.

Member Giacomaro asked how magnets can be reused if you want to increase the power.

Lessard said we refurbish them.

Green said we always look at the highest dose possible to a Maximally Exposed Offsite Individual (MEOSI)

Member Shea asked if children are included in the MEOSI

Jason Remien said we will have to get back to you on that. I don't know what age subjects are used.

Hodgin said when the NESHAP evaluation is completed we will bring that back as a presentation.

Member Peskin said the CAC has a lot of questions because we have never heard of this facility. 'In general a new research program or facility should be introduced to CAC first, followed by the presentation of its environmental issues, assessments, etc.'

Because the CAC was very interested in the science, Hodgin said a future presentation on this topic would be appropriate.

Member Esposito asked if the EA is done first and then the Lab seeks Federal funding.

Green said some funds have already been committed, but we do have to do the EA first.

Hodgin suggested deferring the second presentation of the evening due to the time.

Member Franz asked what happened to all the Canadian Geese.

Green said the Lab has been managing them. There is a geese hunt in September. They will probably be back in the Spring.

5. Agenda Setting

Nora Sundin said the February meeting will be a review of the history and background of cleanup at the Lab. This will give new members an understanding and will be a review for long standing members. In March, we will have an update on the Peconic River recommendation and discuss the possible need for a sub-committee. We will also have the other presentation from this evening that was postponed. We will schedule a presentation on radiopharmaceuticals at some point.

6. Community Comment

Hodgin asked for comments from the community. There were none.

7. Natural Resource Management Update – Tim Green, Environmental Protection Division

POSTPONED

The meeting adjourned at 8:28 PM.

Next meeting: February 11, 2016.

CAC Agenda Setting – November 12, 2015

TOPICS

Advances in Renewable Energy Technologies – 10

Update on Fukushima – 9

NASA Research – 8

Holographic Principles of Quantum Mechanics – 7

Gamma Forest & Tour – 7

Medical Research at BNL – 7

DOE Funding & Research Priorities & Impact on BNL - 7

Update & Advances on Battery Storage – 6

Discussion of Neutrino Projects at BNL – 6

Global Warming & Sea Level Rise – 6

Nanotechnology Research at BNL – 5

Capturing the COSMOS LSST – 4

Groundwater Monitoring Around New Facilities – 4

Advances in Solar Energy – residential & commercial – 4

Climate Science & White House Report (Steve Schwartz) – 4

Economic Impact of Lab – 3

Peak Oil (peak of World's ability to produce oil) - 3

Non-proliferation – 2

Progress on Strategic Plan Update (Discovery Park) – 1

Long-Term Vision for BNL – 1

More Lab History – 1

Status, Progress, Production Report on LI Solar Array – 1

NSLS-II Research – 1

				Jan	Feb Info session only	Mar	Apr	May	June	July No mtg	Aug No mtg	Sep	Oct	Nov	Dec
P = Present	2015	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	P									
		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)	Member	Arnie	Peskin	P									
		(Franz - 12/09)	Alternate	Eena-Mai	Franz	P									
		(Shapiro-1/13)	Alternate	Steve	Shapiro										
		Citizens Campaign for the Environment – Advocacy & Environ	Member	Adrienne	Esposito	P									
			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									
		(Meade – 06/12, Jim M 10/12, Turk 1/16)	Alternate	Rosa	Turk	P									
		East Yaphank Civic Association	Member	Michael	Giacomaro	P									
		(Feinman - 02/09 – 11/15)(Mack 11/15)	Alternate	Catherine	Mack										
		Emeritus (added 12/14)	Member	Don	Garber	P									
		Emeritus (changed 3/8/12)	Member	Jean	Mannhaupt										
		Foundation for Economic Education – Ed, Sci, & Tech (5/14)(Martin – 10/14)	Member	Bruce	Martin										
		(Edwards – 10/14)	Alternate	Estelle	Edwards										
		(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										
			Alternate2	Ben	Ocko										
		Huntington Breast Cancer Coalition – Health-Based Rep	Member	Mary Joan	Shea	P									
			Alternate	Scott	Carlin										
		Individual (changed 3/12)	Member	Karen	Blumer										
		(added 6/12)	Alternate	Michael	Madigan	P									
		Individual – (changed 3/12)	Member	Jane	Corrarino	P									
			Alternate												
		Individual – (changed 3/12)(moved 10/15)	Member												

				Jan	Feb Info session only	Mar	Apr	May	June	July No mtg	Aug No mtg	Sep	Oct	Nov	Dec
P = Present	2015	Affiliation	First Name	Last Name											
		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)	Alternate	Katie	Muether										
		L.I. Progressive Coalition – Advoc & Env	Member	David	Sprintzen	P									
			Alternate												
		Lake Panamoka Civic Association (Biss - 04/02)	Member	Rita	Biss	P									
		(Grandal - 10/10)	Alternate	Bonita	Grandal	P									
		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)	Alternate												
		Mastic Park Civic Association (Sicignano – 6/12)	Member	John	Sicignano										
			Alternate	Clara	McManus										
			Alternate	Joe	May										
		Middle Island Civic Association	Member	Tom	Talbot										
		(Nowak 01/15 – 5/15)(Malloy 9/15)	Alternate	Margaret	Malloy										
		NSLS-II User Committee – BNL	Member	Jean	Jordan-Sweet	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									
		Suffolk County Legislature 1st Dist. - Government (added 6/15)	Member	Al	Krupski										
			Alternate	John	Stype										
		Teachers Federal Credit Union – Bus & Labor (Murdocco 3/15)	Member	Richard	Murdocco										
			Alternate	Suzanne	Gillan ?										
		Town of Brookhaven (Graves –06/06)-(removed 1/2015)	Member	Anthony	Graves										
			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)	Alternate												
		Wading River Civic Association	Member	Helga	Guthy	P									
			Alternate	Sid	Bail										