



Minutes

Friday, October 14th 2016

9:30 a.m. – 2:00 p.m.

University of Idaho Coeur d'Alene

1031 N Academic Way, Coeur d'Alene, ID 83814

Room #241

Participant Call-in Number: 208-664-7009

Attendees:

Co-Chair Lt. Governor Little
Co-Chair Admiral John Grossenbacher (via phone)
Rep. Jeff Thompson
Rep. John Rusche
Director Megan Ronk
Director John Tippets
Steve Laflin
Larry Craig
Brian Whitlock
Dr. Janet Nelson
Dr. Van der Schyf
Steve Aumeier
Dr. Robert Smith
Cally Younger
Mayor Rebecca Casper
Dr. Mark Peters
John Revier
Mark Rudin (via phone)
Lee Juan Tyler (via phone)
Blaine Edmo (via phone)

Staff:

Elli Brown
Bobbi-Jo Meuleman
Katie Brodie-Governor's Office

Other Representative:

Director Ken Edmonds
Rep. Cheatum
Sen. Nonini

Lt Governor Little called the meeting to order at 9:30am. Introduced Janet Nelson as new University of Idaho Vice President of Research and welcomed her to share a few words.

Dr. Nelson welcomed commissioners and attendees. She is proud to be a part of the state's land grant university and its role in serving all regions of the state and its citizens. Discussed new strategic plan. Dr. Nelson introduced Dr. Charles Buck (U of I Coeur d' Alene - CEO Northern Idaho) who gave a welcome, talked about the new research center and their approach and philosophy at the Coeur d' Alene campus.

The overall goal is to create additional research opportunities for university. Obvious connection to water quality, lake research due to proximity to the lake - lake research lab – LaSES (lake social ecology systems lab) Great opportunity for high technology to engage community.

Partnerships with INL include nuclear engineering, food water energy nexus, and cybersecurity. "Dig n IT" Tech Awareness and computer science in northern Idaho - building an infrastructure for the future. Began

coding program focused on middle school girls 2 years ago. Growing and expanding with interest and participation. Bachelors of Science in Computer Science – legislative appropriations - Dig n IT allowed for the path forward. 3rd and 4th year in Computer Science in CDA U of I - 1st and 2nd year in Computer Science in N. Idaho College. Joint appointments – from both colleges – better prepare the students to come to the university.

All activities are about filling the talent pipeline – focus on industry input and needs - signature areas to attract students from around the world. Development of cooperative education model – current students are working within a company – allows them to work while they are learning, employers want to see what the talent is like which allows them to do so.

Rep. Rusche – Dig n IT should be replicated around the state – specifically at Lewis Clark State College

A: Engaging with STEM Action Center – partnership allows program to be free of cost focusing on girls in low income schools through a grant.

Dr. Steve Aumeier – High school intern program – what type and size of companies are most receptive?

A: Biggest success story is with Kootenai Health. Took on a new project within the hospital and is a leader in school – recognized liability from hospital and no longer participating. Medium sized – 20 to 30 employees – companies in region are seeing success and added value. Looking to expand program in Sandpoint for Kochava. Looking to explore possibility of those employees working remotely like Salesforce, etc.

Rep. John Rusche - Fiber – entities should ensure fiber throughout the state – fat beam donation of fiber should happen across the state. More should work with multiple companies that have specialties within the infrastructure system. Rebecca Casper agreed.

Dr. Mark Peters – joint appointments are a great idea – have you considered those in other disciplines?

A: Next in line is in environmental science – beginning discussions – resources are an issue
Online environment science is coming online next year – 3 and 4 year (NIC 1-2 years) Another option is industrial technology – educating on what that could mean for industry partners. Aging workforce could be a great opportunity

Lt. Governor Little – Need conversations and more dialog for career counselors – to focus on needed areas and industry input. STEM Action Center – exposure and emphasis is critical

A: Great relationships with teachers and counselors – mistake we've made is not starting early within middle school and early.

John Grossenbacher – This is a homerun into industry to equip students for workforce – online courses is another wave of the future. Looked at what ISU and ESTEC – similarities? Replicate?

A: visited program a few years ago – NIC has a new tech education facility – one of the areas they are not focusing on is technical programming will be added back in. There is a strong need to bridge 2 year technical degree to 4 year bachelors – pilot activities that can better recognize the bachelors of Science degree – leverage education

Brian Whitlock – IRON, new medical school in Spokane – linking new school with IRON? Share information?

A: No conversation - Northwest Knowledge Network has not explored but would love to partner.

Motion to approve July 14th LINE Commission meeting minutes by Rebecca Casper with one amendment. Change will be reflected in the minutes posted online.

Lt. Governor Little welcomed Van Briggs and Eric Whiting with the Idaho National Laboratory to present on the proposed INL facilities for the Idaho Fall city campus. They spoke to the emerging national challenges – aging workforce, cybersecurity. Leverage INL's current leadership in cybersecurity and computing. Upgrade and

maintain facilities which allows for greater talent - development. Joint agreement with State Board of Education to lease facilities. Large growth over the past 10 years on campus – allowed by state partnerships. Idaho – means for the state not just the lab – universities, City of Idaho Falls. Put open lots to good use – 5 football fields of research space put into place over the past decade. The facilities can tie all universities together and allow for a greater platform to solve national and international problems. Working with the State Board of Education allows INL to leverage current leadership and capitalize on this role. The State Board of Education has said this is an opportunity to change the future of the SBE. Legislative approval is necessary in 2017 legislative session – 3rd quarter of 2018 is the target for buildings.

Steve Aumeier - Mentioned industry, CAES, strong industry collaborative models. Access model – what will it be in C3?

A: It is envisioned to be an open facilities like CAES, pods (layout of 10 to 12 people in one area) envisioned for partners, universities, MOOSE teams, etc. Ensuring we have open access – still in the process of finalizing plans but it is intended to be a flexible model and layout

Dr. Bob Smith – Revitalizing is what national labs do, they provide infrastructure to attract people – something to consider: looking at university place the hope would be research and education campus – consideration to how you manage appearances to have a campus feeling – appearance and functionality.

A: Proximity will allow us to tie the campus together – like CAES – in a hybrid.

Lt Governor Little - What are we going to do with that pesky railroad track? Without address the railroad – will this project get stalled?

A: Actively working with Union Pacific. It can be resolved but it will take partnership and more conversations. The railroad crossing enhances safety of University Blvd but is not a deal breaker. The buildings will go forward regardless, multiple options – still in the works.

Sen. Larry Craig – Railroad history: delegation will need ‘heavy hitters’ to address the issue to solve problem top down.

Rep. John Rusche – \$80M total? Appropriation? How?

A: Resolution allows for bonding - INL will lease it to the state

Lt. Governor Little – state selling land to divest in commercial property – will that impact this project?

A: No. Auction date has been set. This land will not be part of the endowment fund.

Mayor Rebecca Casper – in reviewing LINE 1.0 recommendations this aligns perfectly with expansion and strong direction for collaboration as recommended. It is the responsibility of LINE 2.0 to support projects like this. Fantastic model, important for universities and students.

Mayor Casper moved to support the project and action taken by the State Board of Education – letter from LINE commission to legislative leaders and SBE expressing we’d like link arms. (Maybe even Federal delegation) Staff will draft letter and receive approval of the letter by email. **Motion seconded by Senator Larry Craig**

Brian Whitlock – Who owns the land currently? Does the SBE currently own facilities?

A: SBE and ISU Foundation – Yes they do. Classroom on university is owned by SBE not new territory for the SBE.

Rep. John Rusche – because of the education link, focus on research and the non-waste activities the better for the lab. Suggestion for a consideration – connectivity for others (public) broadband statewide

Lt. Governor Little – how much bonding authority do they have today? What does that do to their bonded indebtedness? Expect legislature to ask that question. What's the capacity?

A: Will bring it up to State Building Authority and report back for an accurate answer

John Grossenbacher – DOE will have to approve the long term lease – increase costs to lab – how do risks get managed? Classified spaces in the facility? Power and infrastructure?

A: Operating lease – working with City of Idaho Falls for power, water and sewer to increase capacity. Risk: working with building authority strategy working with skilled firms, escalation and built into costs, construction management costs, payment bonds – buying insurance. Projection and FTE's – 400 new jobs. Hiring people to fulfill these roles. Secured space will ensure security for partners – industry and universities – proprietary. One link for C3 – computing for Navy. Risk reduction and timing is the positive avenue to utilize SBE bonds

Senator Nonini and Rep. Thompson spoke in favor of concept and expressed their desire to carry the resolution in the legislature.

Lt. Governor Little welcomed DOE representative Jim Malmo via phone to give an update on ITWU, buried waste, AMWTP, WIPP recovery status.

Integrated Waste Treatment Facility: Flour is employing a phases in approach – Phase 1 completed this month. Remain committed to treating the 900,000 gallons. More information at January LINE commission meeting will be available. Cannot speculate on operational date – based on upcoming simulant run but will not start until it is safe.

Buried Waste: DOE and Flour have successfully dug up targeted waste. Meet that goal in the 2021 timeframe which is ahead of the timeframe. Ahead of time 56% complete in exhuming waste, 8 of 9 facility. Started construction on last and final enclosure - construction will be completed mid-2017.

Advanced Mixed Waste Treatment Plat: Infrastructure updates - \$10M facility investments to update to reduce amount of down time due to aging equipment. 6 major updates – manipulators, conveyer belt, ventilation system, air compressors. Updates will allow for improved processes and reduction in exposure to workers with less repair, etc. On schedule – end of February 2017.

WIPP Recovery status: Readiness available reviews for approval of restart operations. Reviews began October 3rd. Pre-start findings have to be completed before DOE starts their own reviews. Milestones completed, increase ventilation system is key, management self-assessment. Final shipment schedule is being finalized.

TruWaste: Waste Acceptance Criteria outlined, additional audits for each sites, review and approve process that will meet new criteria. Re-certifications audits – annual – scheduled for October due to selection of Flour contractor and new WAC the INL audit will be in 2 parts – 1: document review: Dec 12th 2. Onsite review of operations: Jan 17th. Final report will be completed by February 2017. All previously certified waste will need to be reviewed – results on the validation process some may need additional treatment.

Director Tippets - How many containers do we have at the Idaho site waiting shipment to WIPP? How long we will know if the waste needs to be repackaged? Likely several months knowing?

A: 22,000 shipments waiting that are approved under old WAC criteria. Chemical evaluation is preventing them to know the timing for certain. Very likely 6 months away before we know. Waste streams will be reviewed one by one.

Steve Laflin - Are we continuing to package waste in the meantime?

A: Yes. Supercompacting is the best treatment process. Must be able to prove that on paper.

Sen. Larry Craig - Will all waste still going to be able to be repackaged to WIPP?

A: Should be able to go through and determine treatment process that treats all waste for the Rev8 criteria

Mayor Rebecca Casper - When did Rev 8 requirements come out? When is WIPP moving things from surface to underground? Are other state in holding pattern?

A: Initial notification came out in July 2016, Rev8 requirements have been issued – not finalized, depends on review today and then will need DOE review, unclear on timing. It is expected to take 3 months to take what's on surface underground. Certain waste streams will be able to go through review process quickly. 500 containers already cleared for Rev8. There will be a line of folks that want to send waste to WIPP – it is a matter of approval. Our perspective some waste containers are ready to ship now.

Mayor Rebecca Casper - Assume they can start in January, 3 months to take surface to ground. With Rev 8 we will not be ready to ship until summer - other states on same schedule.

Steve Laflin – Is there a timeframe setup for Phase 2 once the completion of Phase 1?

A: No.

Lt Governor Little – Do we have enough simulant?

A: Yes. Simulant is not a problem.

11:50 to 12:15 Lunch Break

LINE Commission Discussion - Subcommittees

Workforce/Education Update – Aumeier/Edmonds

Steve Aumeier introduced Director Ken Edmonds, Idaho Department of Labor, (served on subcommittee) gave an update on the education subcommittee.

Edmonds: report in June 2015, some things are progressing. 7 recommendations: Things INL needs to do internally, relationships outside INL, roles they need to take leadership. Not a good inventory of what the requirements are for the Nuclear industry, STEM Action Center (support), need to find other companies to step up dealing with STEM promotion around the state, experiential learning, need to retain more students into the state, apprenticeships, push programs into high schools, school to registered apprenticeship programs, expansion of energy related programs, most graduates are going out of state, Brian Whitlock (where are they going?), creating a unique emphasis at the Eastern Idaho Technical Community College, collaboration between universities, faculty is a problem, we need joint appointments, CAES 2.0, strategic plan to grow it to the next level. Collaboration between universities is getting better.

Steve Laflin: Very supportive of internships, it solves immigration of folks out of state. How can we advertise internships in the state?

A: Cooperative education.

Dr. Neels Van der Skyf: How do we communicate better with companies on internships?

Amy Lientz, INL Director Partnerships: Amy provided additional insight on progress made in strengthening INL's partnerships with Universities and Idaho academic institutions. . INL has been a leader in the state in providing a road map to their job needs of the future. They did this by taking a look into the jobs that are being filled today and that will be needed in the future. This information maps to degrees and skills desired by an applicant which can then relate to curriculum needs at an institution level. This information was shared with the 3 Idaho universities, several community colleges, and BYU-Idaho. The information was well received and the institutions are making changes to curriculum based on this information. Additional progress has been made in

increasing the number of joint appointments, post docs, and interns that come from Idaho institutions. INL is being more strategic at the use of interns and is starting to view interns as a source of future talent. In both the summer of 2015 and 2016, INL hired 350 interns, had over 1600 applications come in, and was voted as one of the best places in the US to have an internship in the energy and engineering sector. This is validation that the program is well advertised and “the word is out” on a great place to have an internship. Amy also provided clarification to Mr. Edmunds remarks that INL did refresh its STEM engagement and contribution program to better align to the state’s new STEM Action Center goals. It also will focus this coming year on organizing Eastern Idaho to be a leader in STEM and to assist in moving the needle in several key areas including rural STEM, teacher development and support, and career mapping. INL will also help statewide but expects other organizations and industries to be leaders in their regions as INL intends to be a leader in East Idaho.

SMR Ad Hoc Update – Ronk

Director Megan Ronk gave an update of the August 8th SMR Subcommittee meeting. The basic question was asked: What can the LINE commission do to help SMRs/NuScale? What’s the most efficient and effective approach?

It was determined proper education of commission members on SMRs is critical - NuScale will be invited to present to the January LINE Commission meeting.

Economic Incentives are an important component to success. Economic Incentives are an important component to success and Commerce is currently exploring options.

Mayor Rebecca Casper - not just about technology, generating energy, not just about an utility, collaboration of a bunch of things. It’s a very big issue. Lots of things that need to come together for this to happen. Need to decide where we can be most effective.

Steve Laflin: Dog Hunter pointed out that UAMPS has had a concern about the grid. Reliable power source for the US.

There is a need for full stakeholder SMR meeting prior to the January meeting to talk about some of these issues. Staff will work to coordinate a meeting date and time.

Update on Nuclear Energy Advisory Committee (NEAC) – Rudin

Mark Rudin gave an overview of NEAC – who, what, why.

What is it? Committee established in 1998 – as an independent advice to DOE. Asked to periodically to review and provide advice to effectively address scientific aspects. Industry, national laboratories, representatives, internationals, diverse point of views. In November of 2015 NEAC was charged to undertake a review of actions that could be taken to on long term – 10 years from now – summary report leadership, oversight, governance, ownership, partnership, stewardship. The report is structured to identify opportunities for INL, barriers to those opportunities, and recommendations. The report is currently in draft form but should be ready by the end of the year. **Mark Rudin moved to give a full report at January meeting.** Lt. Governor Little agreed.

General Subcommittee Overview

Lt. Governor Little – Suggested we consolidate the workforce/education ad hoc to the standing Workforce/Education committee headed by Steve Aumeier.

Mayor Rebecca Casper- Stated concerns of current structure – Staff will distribute.

LINE Commission Discussion - 1.0 Recommendations

Lt. Governor Little - What actions do we need to do relative to recommendations – issue a report? From an executive order perspective?

Mayor Rebecca Casper – LINE 1.0 had a mission and an assignment. Is LINE 2.0 an ongoing advisory council? Should we issue annual report that issues what we are doing. What are our goals? Progress reports.

John Grossenbacher - annual reports in the form of a letter to the Governor.

Sen. Larry Craig - Report to the Governor and Idaho Legislature - host meeting and give Idaho Legislature full update.

Lt. Governor Little introduced Kirk Sorensen with Flibe Energy to talk about Thorium/Molten Salt Reactor. See PowerPoint presentation.

Rep. John Rusche - What do you want us to do?

A: Ask INL to preserve this material

Director John Tippets - How much do we have in Idaho? How much do we need?

A: 14,00kg : 350 megawatts

Sen. Larry Craig - Kirk is not a client, medical radio isotopes, we are in trouble. Not anti Nuscale, but I am anti waste. We are having issues dealing with waste. Has to be more to what a reactor does than just electricity. Nuclear reactors are disappearing because of other forms. Great opportunity for the state. Medical isotopes is a huge opportunity. Don't destroy a huge resource.

Steve Laflin - Decision was made years ago to dispose.

A: Everyone is convinced it is the person above them to save this stuff - needs to be a high level decisions. Uranium 233. 97-1 declared the disposal of uranium 233. Give a change to get isotopes out.

Steve Laflin - GAIN - Part of long term strategy?

A: GAIN is under different umbrella. DOE Environmental Management.

Lt. Governor Little - LINE has to abide by DOE policy.

Kirk: Governor can determine what comes in the state.

Sen. Larry Craig - If LINE recommended a letter by the Governor to save the material it would go a long ways. Opportunity to preserve it.

Mayor Rebecca Casper - Should we take an "All of the above" approach. If there is potential for this. This is what the NRC knows - taking years as we are seeing with SMR's. Should we issue a statement?

Steve Aumeier - There are a lot of questions. Encourage the committee to consider the questions in a thoughtful manner before doing a support letter. It would be helpful to understand DOE's views - get a presentation from DOE or INL expert at next LINE meeting.

Director John Tippets - How soon would you see the material destroyed?

A: I do not know.

Brian Whitlock - It has not in the past 20 years.

Sen. Larry Craig - Make motion to protect resource - come back in January with a proposal.

Rep. John Rusche - Is this part of the waste that is supposed to be removed from Idaho?

Lt. Governor Little - We can ask that at the January meeting (during the presentation from the expert)

Director John Tippets - Eventually everything needs to go.

Mayor Rebecca Casper – We will need to include this segment in the settlement review presentation.

John Revier - It is scheduled to be on the January agenda

John Grossenbacher - Ask DOE the questions. No advocacy from the Government agency that fund the research it is hard to move forward. May not be appropriate for the LINE Commission to take a stand. The commission advocating for this stuff is hard. This sort of support needs to be driven through GAIN. Lab needs to be technology neutral. Very uneasy with the commission inserting themselves. First step is to get the right information from DOE.

Lt. Governor Little asked for public comments. Dr. Robert West – toured the INL last October. Noticed the mean age of employee was very high – some had been employees for 30+ years. A clear workforce gap – someone has to do a better job than is being done now – there should be a way to market the issues.

Reminder for next meeting and other events:

- **Next LINE commission meeting: January 17th**
Idaho State Capitol, Lincoln Auditorium
- **LINE/INL Legislative Reception: January 17th, 4:30 – 6:00pm**
702 W Idaho St Boise, ID 83702, 7th Floor (Key Bank Building)

Lt Governor Little adjourned the meeting at 2:20pm.