Project No. 2022-904

REMODEL E-WING TO MOLECULAR LABORATORY PREDESIGN

WA State DOH, Public Health Laboratories
1610 NE 150th Street Shoreline WA 98155

THE MILLER HULL PARTNERSHIP, LLP
August 30, 2022

MILLER HULL

August 30, 2022

Attention: Angeline Ernst
Department of Enterprise Services, Engineering & Architectural Services
1500 Jefferson
Olympia, WA 98501

RE: Project No. 2022-904: Remodel E-Wing to Molecular Laboratory for, Washington State Department of Health (DOH), Public Health Laboratories (PHL), in Shoreline

To the Selection Committee:

Creating new lab and office space to enhance the Molecular Laboratory functions will have an enduring positive impact on the health and safety of the citizens of Washington State by increasing the ability to rapidly identify disease agents and characterize viral and bacterial pathogens. As the citizens you support, we would love to bring our skills and experience to work with you to create a compelling predesign that ensures you receive the state funding to deliver this important project in the future.

Delivering a Compelling Predesign In our experience, predesigns that secure state funding do two things: make a compelling problem statement with demonstration of need and provide the concise and diligent backup to substantiate the ask. We are familiar with the State's predesign process and know the importance of a well-documented project with regard to program goals, space needs, cost projections, project risks and functional vision. In our engagement with DES and DOH, we will equip you with the information to make clear, informed decisions by outlining options and initiatives for your consideration in ways that can be easily understood, supported, and communicated to stakeholders and leadership to ensure the E-Wing's continued progress and funding.

Building from our South Lab Addition Experience With our current work with the new South Laboratory Addition, Miller Hull worked with DES and the Department of Health, Public Health Labs, to create a compelling predesign in 2020 which received funding, and now we are all moving into design. As part of the predesign, we became familiar with the E-Wing Building and the way Environmental Science Laboratory (ELS) was using the facility. This familiarity gives us insight into the building and a base on which we need to modify. Other benefits of this experience is our understanding of DES and DOH-PHL needs and processes from our stakeholder engagement to date. Finally, we embrace the campus's identity and functionality. How does this space conversion enhance the campus identity? How can this remodel align with the maintenance practices of the buildings and campus?

Team Familiarity and Expertise Our proposed team carries forward key members of the South Lab Addition predesign while also bringing fresh perspective and expertise to the E-Wing team. Our team and consultant partners understand each element of this project: flexible and molecular laboratory design, administrative workspace design, in addition to sustainable strategies to achieve efficiency goals. A key member is Research Facilities Design (RFD) bringing their expertise in laboratory planning and design to our team; we have collaborated on numerous projects together, bringing a seamless working relationship to this project. We have worked with all of our team members, many of whom further your commitment to Women, Minority, Small and Veteran Enterprises.

Achieving Sustainability Goals We are very proud to see our government making a strong stand on the importance of sustainability as documented in Executive Order 18-01. Miller Hull is a national leader in sustainable design, having delivered numerous LEED, Zero Net Energy and Living Building projects. We are currently actively working on four DES projects under this order including the South Lab Addition, Washington State Library and Archive, and Newhouse Building replacement and Olympic College Innovation and Tech Learning Center Predesign. Our team has extensive expertise, research and lessons learned to leverage the latest in technology, materials and cultural context to help you prepare and deliver on this project.

Thank you for the opportunity to present our qualifications for this important project. We look forward to further discussions on how we can help you achieve your vision for transforming the E-Wing into a flexible and productive molecular laboratory.

Respectfully,

Robert Misel, FAIA, Partner
The Miller Hull Partnership, LLP
T: 206.254.2017 M: 206.931.9985
E: rmisel@millerhull.com

Richard Whealan, AIA, Principal
The Miller Hull Partnership, LLP
T: 206.254.2008 M: 206.718.2708
E: rwhealan@millerhull.com

STATE OF WASHINGTON

DEPARTMENT OF ENTERPRISE SERVICES

1500 Jefferson St. SE, Olympia, WA 98501
PO Box 41476, Olympia, WA 98504-1476

Designated Point of Contact for Statement of Qualifications

Point of Contact Name and Title Robert Misel, Partner-in-Charge		
Firm Name The Miller Hull Partnership, LLP		
Address 71 Columbia St., 6th Floor		
City Seattle	State WA	Zip 98104
Telephone 206-682-6837	Email rmisel@millerhull.com	

Addresses of multiple office locations of firm (if applicable)

Address 4980 N. Harbor Drive, Suite 100	
City San Diego, CA 92106	Phone 619-220-0984
Address	
City	Phone
Address	
City	Phone
Address	
City	Phone

Diverse Business Certifications (if applicable)

Certification issued by the Washington State Office of Minority and Women's Business Enterprise (OMWBE)

- ☐ Minority Business Enterprise (MBE)
- ☐ Woman Business Enterprise (WBE)
- ☐ Minority Women Business Enterprise (MWBE)

Certification issued through the Washington State Department of Veteran's Affairs

- ☐ Veteran Owned Business

Certification issued through Washington Electronic Business Solution (WEBS)

- ☐ Small Business Enterprise (SBE)

COVID-19 Vaccine Requirements

21-14.1 - Proclamation by the Governor

Consultant confirms they have reviewed and understands the requirements of the Governors 21-14.1 COVID-19 Vaccine proclamation. https://www.governor.wa.gov/sites/default/files/proclamations/21-14.1%20-%20COVID-19%20Vax%20Washington%20Amendment.pdf

☒ Confirm reviewed and understand

Consultant has completed and attached COVID-19 Vaccine Verification Declaration form dated September 17, 2021 to this document. https://www.des.wa.gov/sites/default/files/public/documents/Facilities/EAS/Forms/PW-Contractor_COVID19-VacVerificationDecCert_9-17-2021.pdf?=3541a . Failure to attach COVID-19 Vaccine Verification Declaration will result in disqualifying submittal.

☒ Declaration form completed and attached.

PROCLAMATION BY THE GOVERNOR

21-14.1- COVID-19 VACCINATION REQUIREMENT

COVID-19 VACCINATION VERIFICATION DECLARATION FORM

AGENCY AGREEMENTS AND PUBLIC WORKS CONTRACTS

Contract No.:	22_____ – 904_____
Project Name:	Remodel E-Wing to Molecular Laboratory
Consultant or Contractor Name:	The Miller Hull Partnership, LLP (Type/print full legal name of Consultant or Contractor Firm)

To reduce the spread of COVID-19, Washington state Governor Jay Inslee, pursuant to emergency powers authorized in RCW 43.06.220, issued Proclamation 21-14 – COVID-19 Vaccination Requirement (dated August 9, 2021), as amended by Proclamation 21-14.1 – COVID-19 Vaccination Requirement (dated August 20, 2021) and as may be amended thereafter. The Proclamation requires consultants or contractors who provide goods and services or perform public works with a Washington state agency to ensure that their personnel (including subconsultants and subcontractors) who perform contract activities on-site comply with the COVID-19 vaccination requirements, unless exempted as prescribed by the Proclamation.

I hereby certify, on behalf of the consultant or contractor identified above, as follows (check one):

☒ ***CONSULTANT OR CONTRACTOR HAS IMPLEMENTED A COVID-19 CONTRACTOR VACCINATION VERIFICATION PLAN THAT COMPLIES WITH THE VACCINATION REQUIREMENTS OUTLINED BY PROCLAMATION 21-14.1.***

The consultant or contractor:

- Has reviewed and understands the consultant's or contractor's obligations as set forth in *Proclamation 21-14 – COVID-19 Vaccination Requirement (dated August 9, 2021), as amended by Proclamation 21-14.1 – COVID-19 Vaccination Requirement (dated August 20, 2021);*
- Has implemented and agrees to update a COVID-19 Vaccination Verification Plan for its personnel that complies with Proclamation 21-14.1, and further:
  - Has required its subconsultants and subcontractors at every tier to develop, keep updated, and implement a COVID-19 Vaccination Verification Plan for their personnel, and has the subconsultant or subcontractor to prepare, submit and update (as necessary) a **COVID-19 VACCINATION VERIFICATION DECLARATION FORM(S)** from each subconsultant and subcontractor at every tier for the contract-referenced above, and agrees to make said **COVID-19 VACCINATION VERIFICATION DECLARATION FORM(S)** available for inspection upon the Agency's request; **and/or**
  - Has obtained a copy or visually observed proof of full vaccination against COVID-19 for the consultant's or contractor's personnel and has required its subconsultants and

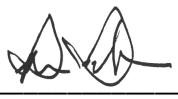
subcontractors at every tier to do the same for all individuals subject to the vaccination requirement in Proclamation 21-14.1;

- Complies with the requirements for granting disability and religious accommodations for the consultant's or contractor's personnel (including the personnel of subconsultants or subcontractors), who are subject to the vaccination requirement in Proclamation 21-14.1;
- Has operational procedures in place to ensure that any contract activities that occur in person and on-site at Owner/Agency premises will be performed by personnel who are fully vaccinated or properly exempted as required by Proclamation 21-14.1 (including the personnel of its subconsultants or subcontractors), except for those contract activities performed for a short period of time during a given day and where moments of close proximity to others on-site will be fleeting – e.g., a few minutes for deliveries;
- Has operational procedures in place to enable consultant's or contractor's personnel (including subconsultants and subcontractors) who perform contract activities on-site and at Agency premises to provide compliance documentation that such personnel remain in compliance with Proclamation 21-14.1 and all applicable health and safety regulations, standards guidelines, etc.;
- Agrees to provide copies of COVID-19 Vaccination Verification Plans and related records within 24 hours of the Owner/Agency's request, except as may be prohibited by law. The consultant or contractor further agrees to cooperate with any investigation or inquiry by the Owner/Agency pertaining to the compliance of the vaccination requirements as outlined by Proclamation 21-14.1.

OR

☐ ***CONSULTANT OR CONTRACTOR DOES NOT HAVE AND/OR CANNOT IMPLEMENT A COVID-19 CONTRACTOR VACCINATION VERIFICATION PLAN***. The consultant or contractor does not have and/or cannot implement a current COVID-19 Contractor Vaccination Verification Plan, and the consultant or contractor is not able to develop or provide a COVID-19 Contractor Vaccination Verification Plan or documentation demonstrating its personnel meet the COVID-19 vaccination requirements as set forth in Proclamation 21-14.1 and provide the same to the Owner/Agency on or before October 18, 2021. [*Note*: Compliance with Proclamation 21-14.1 is mandatory for on-site contract activities performed by the personnel of consultants or contractors at every tier as prescribed by the Proclamation.]

I hereby certify, under penalty of perjury under the laws of the State of Washington, that the certifications herein are true and correct and that I am authorized to make these certifications on behalf of the firm listed herein.

By:  Ron Rochon

Signature of authorized person — Print Name of person making certifications

Title: Partner — Place: Seattle, WA

Title of person signing certificate — Print city and state where signed

Date: 02/15/2022

Return this COVID-19 Vaccination Verification Certification to the assigned DES Project Manager.

CONTENTS

1 | EXECUTIVE SUMMARY

Molecular Engineering & Sciences Institute (MolES) and The Institute for Nano-engineered Systems (NanoES), Seattle, WA - RFD
LEED Gold

1 | EXECUTIVE SUMMARY

"The essence of their practice and the genius of their work is collaboration."

— Thompson E. Penney, FAIA, Former AIA President

Miller Hull works with governmental agencies to develop clear and elegant projects that are conceptually powerful while simultaneously resolving very complex operational and technical requirements. Our design approach—and our firm's core values—are based on three key objectives: Do Good, Go Deep and Be Bold. Below are our initial thoughts on how these objectives and our team's experience will create flexible, adaptable research spaces that support innovation with careful interrelationships between research and workspaces.

DO GOOD

The Predesign study for the Molecular Laboratory's future home is an opportunity to create a collaborative and state-of-the-art environment for the researchers to make connections between their own work and their colleagues within the Microbiology Department. This project will showcase a forward-thinking approach by creating a flexible and adaptable laboratory that can change as testing requirements grow. The renovation of the existing E-Wing and the office addition will offer a design that is compatible with the existing wings and with future projects in the Master Plan. We will investigate ways for the building to fight for the environment through energy-use and high-performance. Our goal is to make responsible use of project funds to deliver best value. Lastly, we will design inclusive spaces that inspire your researchers to do ground-breaking work.

We learned, during the South Lab Addition predesign and through design work for other institutions, how scientists will forgo personal space for the pursuit of their work; to expand the capabilities of the lab or to house another piece of equipment. In the current E-Wing, much of the perimeter space originally intended for office use, has been put into duty as expanded laboratory and instrument room space. To improve employee safety and well-being is to create dedicated personal space outside of the laboratory environment for the laboratorians to separate from the noise and potential hazards of the lab for data entry, analysis, or to grab a cup of coffee or tea with a colleague.

GO DEEP

Information—in the form of research, subject matter expertise and stakeholder input—is the medium that allows us to immerse ourselves into the project criteria. Combining this data with our curiosity, we insist on a probing, inquisitive approach to problem solving that creates unanticipated breakthroughs and innovative solutions. In order to achieve Zero Net Energy, or ZNE-Capability, it will be crucial to make big decisions early in the process. We must design a facility that uses about 20% of the energy of a typical existing facility of its kind. Occupant health and safety are paramount, and it will be critical to manage the indoor environmental quality in the laboratories, and office areas. In addition, design decisions must be made to reduce the use of finishes that are known to incorporate carcinogens while also meeting the stringent Biosafety in Microbiological and Biomedical Laboratories (BMBL) requirements. Our team plans to embrace project constraints as opportunities. Challenges and constraints often make a project better by forcing innovative solutions.

By pushing boundaries and thinking critically we find new pathways of discovery—much like your researchers. This project will have some problems to solve and consensus to build—and the collective journey and process will result in an elegant solution for a project of consequence.

BE BOLD

Predesign is the time to think big and identify stretch goals that target the future of the DOH Microbiology Department. Our team of experts and thinkers will help you identify obtainable solutions and prepare for future transitions in your laboratory and office workplace environments, and sustainability in long-term operations. The Molecular Laboratory Remodel aspires to go beyond merely providing space. This project could deliver a vision of innovation, collaboration and invention, and our team will push ourselves (and your stakeholder team) to imagine the future by continuously asking, "What if?" Being bold is about creating memorable, beautiful, functional, timeless projects that take a strong position, speak to human experience, and humbly inspire awe.

2 | QUALIFICATIONS OF KEY PERSONNEL

Bellevue College Science and Technology Building, Bellevue, WA (Miller Hull and RFD)
LEED Gold

2 | QUALIFICATIONS OF KEY PERSONNEL

Our team for the E-wing Molecular Laboratory Predesign for the Washington State Department of Health (DOH) Public Health Laboratories (PHL) have defined their careers working with public clients to deliver a unified design that embodies the institution's mission and values.

Our team includes key team members from our work on the DOH South Lab Addition Predesign now entering design. They are familiar with the building, the campus and stakeholders, as well as DES's process. This combination of design leadership from Miller Hull and a diverse team of innovative thinkers and problem solvers will contribute to a successful Predesign process. We value exploration at the start of this process and will engage our consultant team, and your stakeholder group, to challenge convention and seek achievable solutions to meet your project goals, establish an appropriate and defendable cost estimate, and complete the Predesign on schedule.

Team leadership is provided by **Robert Misel, AIA, serving as Partner-in-Charge.** He is contractually responsible for the overall quality and performance of our team. Rob's long history of working with public entities gives him a deep understanding of the public process and financial stewardship to make this project a success.

Leading design is Rich Whealan, AIA. Taking inspiration from complex programming needs and tight budgets, Rich creates elegant solutions that enhance functionality while inspiring building users and visitors. Rich brings his recent experience on the South Lab Addition, lab environments and public work to deliver a high-performance predesign.

Crystal Day, AIA, is your Project Manager and direct contact providing day-to-day-leadership of the team. Crystal brings rigorous listening to stakeholder meetings, actionable organization to ensure deliverables on schedule, and a great attitude to align every member of the team. Crystal has a long history of working on laboratory and workplace interior projects and brings insights into designing for flexibility, efficiency and overall health and enjoyment.

With a goal of achieving ZNE or ZNE-Capable, we have included **Jim Hanford, AIA,** as **Sustainability Lead,** to provide high performance guidance and LEED certification. Jim brings extensive experience in sustainable design at a systems and performance level and will be a key contributor to identifying NZE strategies.

John Lewis with Research Facilities Design (RFD) will support the team with extensive experience in creating state-of-the-art laboratories around the world. Miller Hull has worked with RFD on over a dozen projects in the past 20 years, and we enjoy collaborating with them.

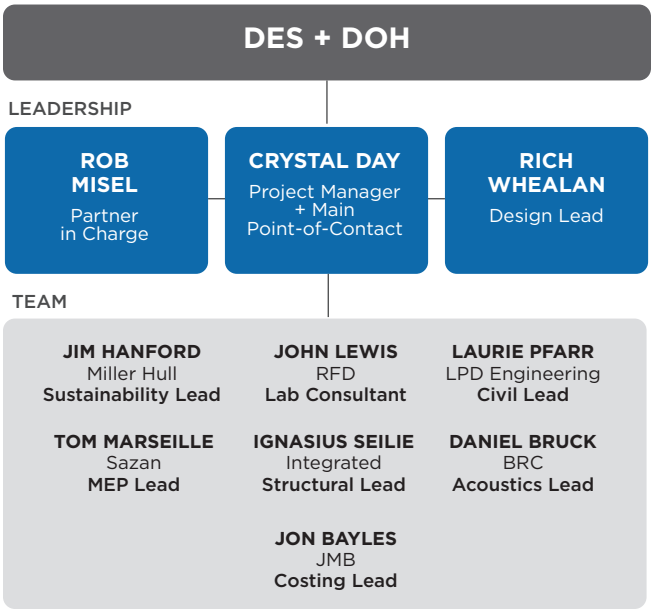
RFD is a design consultant firm focused exclusively on the programming and design of laboratory buildings for industry, healthcare, research and education. RFD plans more than 2.5 million gross-square-feet of laboratory facilities each year and has worked with hundreds of research institutions, industries, higher education and government clients across the nation.

System performance is of utmost importance to achieve the high sustainability goals set for this project. We have partnered with **Tom Marseille** on many projects over the years especially involving OFM's Life Cycle Cost Analysis. Tom and the **Sazan (SBE)** team will provide experienced mechanical, electrical and plumbing engineers, and specialized Zero Net Energy advisors. **Daniel Bruck from BRC (VOB)** will provide the team with acoustics analysis and recommendations to appropriately control sound including noise and vibration from mechanical equipment.

LPD Engineering (WBE) led by **Laurie Pfarr**, will handle all civil engineering needs. For structural engineering, **Ignasius Seilie** with **Integrated Design Engineers (MBE)** brings decades of experience working on public projects.

To ensure we align expectations and budget, **Jon Bayles** with **JMB Consulting Group (SBE),** will bring his deep knowledge of the market and public facilities work to provide cost estimating needs for pre-design options, incremental NZE-C strategies, and the preferred alternative.

Brief resumes for each of these team members are included in the following pages. Our team is committed to delivering this critical predesign for the Washington State Department of Health. We can assure you that our team is available to serve this project for its duration with the full support of Miller Hull's staff.



ROB MISEL AIA,
Partner
MILLER HULL
Role: Partner-in-Charge

As Partner-in-Charge on this project, Rob Misel will serve as the overall administrative point of contact and will ultimately be responsible for ensuring the team's performance on the project. Rob holds this role on many of the firm's public work including projects with the Port of Seattle to General Services Administration and Miller Hull's IDIQ with the U.S. Department of State to deliver embassies and consulates. He deeply understands process and protocol and working with various layers of stakeholders. **Percentage of Assigned Time: 25%**

SELECT PROJECTS

- Kitsap County Administration Building, Port Orchard, WA
- Whitworth Biology & Chemistry Building, Spokane, WA
- Seattle University, Bannan Building Lab remodels, Seattle, WA
- GSA San Ysidro Land Port of Entry, San Ysidro, CA

RICH WHEALAN AIA
Principal, LEED AP
MILLER HULL
Role: Design Lead

Rich has over 30 years of experience and has served on many of the firm's more complex projects. His knowledge of best practices and trends in laboratory research, testing and teaching facilities inform early design explorations. He works closely with consulting engineers to understand building system requirements for complex program elements, and to integrate the building systems and programs into the architectural solution. Rich's emphasis on integrated building systems and technical performance during the design phase and his follow-through during construction results in a final building that is beautiful, functional, and maintainable. **Percentage of Assigned Time: 30%**

SELECT PROJECTS

- DES DOH South Laboratory Addition Predesign, Shoreline, WA
- Bureau of Environmental Services (BES), Water Pollution Control Lab, Portland, OR
- Robinson Science Hall, Whitworth University, Spokane, WA

CRYSTAL DAY AIA
LEED AP
MILLER HULL
Role: Project Manager

Crystal has been actively involved in the planning and design of science and technology, healthcare, and corporate commercial facilities for over 14 years. She is a dynamic designer and project manager and is highly responsive to evolving trends in scientific research and workplace environments. As your project manager, Crystal, will be your main point of contact and will assist stakeholders in identifying, communicating and reaching consensus on the vision, scope, and design elements to deliver a compelling predesign. **Percentage of Assigned Time: 80%**

SELECT PROJECTS

- Applied One Feasibility Study, University of British Columbia, Vancouver, BC
- Life Sciences Client, 355,000 SF mixed-use research, retail, and office, San Diego, CA
- Life Sciences Client, 405,400 SF mixed use research and development, San Diego, CA
- Allen Institute for Brain Science, Seattle, WA*
- Fred Hutchinson Cancer Research Center TI, Seattle, WA*

**Prior to joining Miller Hull*

JIM HANFORD AIA
Principal, LEED AP BD+C
MILLER HULL
Role: Sustainability Lead

An integral part of design teams, Jim leads the firm's overall sustainability efforts and helps develop project goals related to design ideas and methodologies, energy performance, daylighting, ventilation, comfort and mechanical system integration. He works with teams during goal development through delivery of technical design and tracking and reporting energy performance at each stage. Jim is deeply knowledgeable of NZE and NZE-Capable facilities as well as the Life Cycle Cost Analysis process and will lead all such efforts on this project. **Percentage of Assigned Time: 20%**

SELECT PROJECTS

- DES DOH South Laboratory Addition Predesign, Shoreline, WA
- Washington State Public Health Lab, BSL3 Lab, Shoreline, WA
- San Diego County ARCC Net Zero Project, Santee, CA
- Kendeda Building, Georgia Tech, Atlanta, GA (pursuing Living Building certification)
- Bullitt Center, Seattle, WA (Living Building certified)

JOHN LEWIS
Laboratory Consultant
RESEARCH FACILITIES DESIGN
Role: Laboratory Design

John is responsible for laboratory programming, planning and design, and managing production. This includes, but is not limited to, interviewing users in work sessions, interpreting data collected in user meetings, and developing project specifications and detailed cost estimates. Mr. Lewis evaluates the client's needs and budget requirements, and makes recommendations to solve the client's problem within the budget constraints. He is responsible for coordinating the design of laboratory furnishings and equipment, as well as mechanical, plumbing, and electrical services.**Percentage of Assigned Time: 40%**

SELECT PROJECTS
- DES DOH South Laboratory Addition Predesign, Shoreline, WA with Miller Hull
- RPL & PSL Renovations, Pacific Northwest National Laboratories, Richland, WA
- Chemistry Research Building, Yale University, New Haven, CT

TOM MARSEILLE PE
Principal, Hon. AIA, LEED Fellow
SAZAN
Role: MEP Principal-in-Charge

An award-winning mechanical engineer, Tom brings a diverse professional background that informs a practice focused on the delivery of high-performing solutions for owners on the most technically complex projects. He fosters a collaborative design process that consistently yields more healthy and resilient systems that highly resource responsible, practical, and maintainable. Tom has extensive experience leading providing MEP design oversight on tenant improvements and full modernizations of existing buildings. **Percentage of Assigned Time: 15%**

SELECT PROJECTS
- DES DOH South Laboratory Addition Predesign, Shoreline, WA with Miller Hull
- Environmental Molecular Sciences Laboratory (EMSL) Fit-Out, Richland WA
- Grid Storage Launchpad (GSL) Predesign, Richland WA
- Green Lab Study and Predesign, Seattle, WA

LAURIE PFARR
PE, Principal, LEED AP, CESCL
LPD ENGINEERING
Role: Civil Principal-in-Charge

Laurie is the principal and founder of LPD Engineering. She has over 30 years of experience managing and delivering civil engineering solutions for both public and private clients throughout the Puget Sound region. Laurie's expertise includes stormwater management; erosion control; water and sanitary sewer utilities; site layout, access, and circulation; pavement repair and replacement; and pedestrian and street improvements. She has served as the Principal Civil Engineer on several higher education projects, and has extensive experience with predesign studies. **Percentage of Assigned Time: 10%**

SELECT PROJECTS
- DES DOH South Laboratory Addition Predesign, Shoreline, WA with Miller Hull
- University of Washington, College of Engineering Predesign, Seattle, WA with Miller Hull
- New Operations and Maintenance Facility – Master Planning and Design, North City Water District, Shoreline, WA

IGNASIUS SEILIE PE
SE, SEI, Partner
INTEGRATED DESIGN ENGINEERS
Role: Lead Structural Engineer

Ignasius founded Integrated Design Engineers in 2005. During his 13 years with the firm, he has successfully led projects, small and large, and of varying degrees of complexity. As principal, he is in charge of budgeting, scheduling, and project monitoring. Ignasius has managed many projects with multiple sub-consultants of all disciplines. For these jobs, he coordinates the work of the sub-consultant, including managing contracts, maintaining overall design, monitoring project progress and budget, and facilitating team communication. Ignasius has a reputation for understanding his clients' goals and ensuring the entire team executes them, from preconstruction through construction and beyond. **Percentage of Assigned Time: 50%**

SELECT PROJECTS
- DES DOH South Laboratory Addition Predesign, Shoreline, WA with Miller Hull
- DES, Western State Hospital Predesign Study, Lakewood, WA
- University of Washington, College of Engineering Predesign, Seattle, WA with Miller Hull
- DES Cascadia College Gateway Building Predesign, Bothell, WA

DANIEL C. BRUCK

Ph.D., LEED AP BD+C, President
BRC Acoustics & AV Design
Role: Acoustics Lead

Dan has been a consultant in architectural and environmental acoustics for over 30 years. His technical specialties are architectural acoustics and environmental noise control, with projects that include medical/health facilities, schools and universities, corporate offices, government facilities, convention centers, and performing arts facilities. Dan is past chair of the USGBC Technical Advisory Group on Indoor Environmental Quality. **Percentage of Assigned Time: 10% / As Required**

SELECT PROJECTS

- DES DOH South Laboratory Addition Predesign, Shoreline, WA with Miller Hull
- DES Pierce College Cascade Building Phase 3, Puyallup, WA
- DES Pierce College STEM Building, Puyallup, WA (In Design)
- Highline College Health & Life Sciences Bldg. Renovation, Des Moines, WA

JON BAYLES

Principal
JMB Consulting Group
Role: Costing Lead

Jon brings extensive knowledge of the construction industry. His cost planning expertise is applied through various sectors with an emphasis on higher education, healthcare and research facilities. From contract inception to completion, Jon has provided both pre and post contract duties including estimating and negotiating of contracts and change orders. He has proven abilities in value engineering, evaluating monthly capital expenditure, claims management, preparation of bid documents and preparation of project final accounts. Jon brings a proven record of cost forecasting. **Percentage of Assigned Time: 50%**

SELECT PROJECTS

- DES DOH South Laboratory Addition Predesign, Shoreline, WA with Miller Hull
- State Labor & Industries + Department of Agriculture Building Predesign, Olympia, WA
- Washington State Public Health Lab Renovation & Expansion, Shoreline, WA
- State of Washington OSOS Library and Archive, Tumwater, WA with Miller Hull

Bellevue College Science and Technology Building, Bellevue, WA - *LEED Gold* (Miller Hull and RFD)

3 | RELEVANT EXPERIENCE

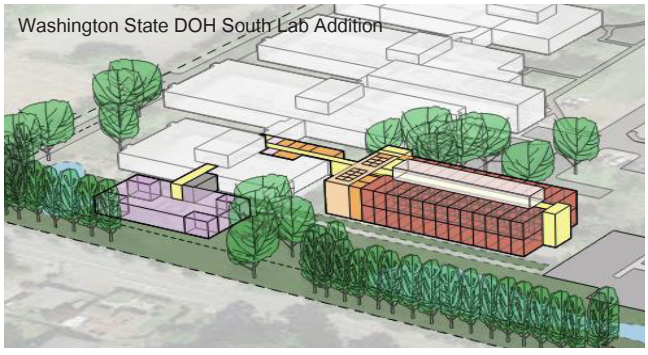
Molecular Engineering & Sciences Institute (MolES) and The Institute for Nano-engineered Systems (NanoES), Seattle, WA - RFD
LEED Gold

3 | RELEVANT EXPERIENCE

Working with Public Owners
Public owners face scrutiny every step of the way between diverse stakeholder groups and budgetary concerns as stewards of the public's money. For over 40 years, Miller Hull has developed a reputation for working with public owners to create civic facilities that embody the essence of the community they serve and become a symbol of civic professionalism.

Having worked with over 40 local, state and federal agencies—including the Washington State Department of Health Public Health Lab, DES, City of Seattle, City of Bothell, King County, Kitsap County, Pierce County and the U.S. Department of State—we are skilled at aligning design expectations and budgetary reality. Achieving project success involves incorporating innovative solutions while maintaining a diligent approach to the project budget, schedule and accountability in the design process. It is our firm's conviction that the best and most elegant design solutions are often the simplest and most direct. Our strength is helping clients make clear, informed decisions by navigating the copious amounts of data to outline options and initiatives for your consideration in ways that can be easily understood, supported and communicated to stakeholders and Legislative leadership.

Experience with Predesigns
In our experience, predesigns that successfully secure funding do two things: make a compelling problem statement with demonstration of need and, provide concise, diligent backup to substantiate the ask. We know the importance of a well-documented project with regard to program goals, space needs, cost projections, project risks and functional vision. We have assisted numerous institutions, including DES and DOH, with successful predesigns, master planning and fund raising that have led to new building design and construction and renovations. We bring a "tool kit" to each predesign: an ability to build stakeholder consensus, a tenacious interest in research, diligent process design, creative problem solving, and in-depth analysis of program, site and systems to more clearly assess opportunities and understand project cost projections.


Washington State DOH South Lab Addition

Select Washington State Predesigns

- DES, DOH South Lab Addition *funded / in design / 2022*
- DES, Olympic College Innovation and Tech Learning Center / *2022*
- University of Washington, College of Engineering *funded / 2019*
- University of Washington Tacoma, Paper and Stationery Building *funded / designed / built / 2017*
- University of Washington Bothell, Phase 4 STEM Building Predesign for Progressive Design-Build Delivery *funded / 2017*
- WSU Pullman, Chinook Activity Center (Old Bookie) Programming to develop the Design Build RFP *funded / designed & built (by others) 2017*
- WSU North Puget Sound at Everett, Academic Building Programming to Develop the Design Build RFP *funded / designed & built (by others) 2017*
- Cascadia College Global Learning & the Arts; *funded / designed / built / 2010*
- Bellevue College Science & Technology Building; *funded / designed / built / 2009*
- South Puget Sound Community College Natural Sciences; *funded / designed / built / 2008*
- Tacoma Community College Science & Engineering; *funded / designed / built / 2007*
- University of Washington Tacoma Phase 2B; *funded / designed / built / 2004*
- Washington State University Shock Physics Institute; *funded / designed / built / 2003*
- Olympic College Poulsbo Branch Campus; *funded / designed / built / 2003*

Turning Technical Needs into Flexible Elegant Solutions
With limited physical and financial resources, many of our public and private clients must optimize their capital projects to work today and well into the future. Technology is changing at an unprecedented pace. Planning for modular integrated facility expansion solutions within each office or lab suite can facilitate adaption of your facility as testing and research needs evolve. Providing space outside the laboratory for data analysis and review can open up lab environment space for more efficient workflows. The value of investment in workplace design can be measured through employee efficiency, recruitment and retention. Miller Hull consistently looks for opportunities to provide flexibility and adaptability that will enable cost-effective change in the right place and time through integrated design solutions.

Project Experience
On the following pages, we have organized our team's relevant experience in accordance with this project's needs: State-of-the-Art Laboratories and Inspiring Workplaces. We have provided the requested details for a few key projects and have listed additional supportive experience.

3 | **RELEVANT EXPERIENCE:** STATE OF THE ART LABORATORIES

Our team has direct experience with the Department of Health as well as experience with a variety of lab environments bringing insights on highly efficient and flexible spaces to create environments where all employees can thrive, while maintaining the dignity required of a state governmental institution.

KEY PROJECTS:

Work on Campus: *Department of Health South Lab Addition Predesign and Design*
The predesign work included the exploration of 5 different schemes as part of the campus master plan. This also included several workshops with stakeholders to determine their needs and desires in the building, as the project includes multiple departments, as well as a conference/media center. Further exploration was done with the preferred scheme, working with our lab consultant to provide a diagrammatic layout of program, and detailed room data sheets.

Client Reference: Terry Williams DOH-PHL T: 206-418-5577 E: Terry.Williams@doh.wa.gov
Completion: Predesign August 2020 Delivery Method: Predesign
Project Budget: $48,226,408 Actual Cost: In progress

Specific Program Needs: *Molecular Engineering & Sciences Institute (MolES) and The Institute for Nano-engineered Systems (NanoES)(RFD) - LEED Gold* 46,482 NSF of Laboratory and Laboratory Support Space in a 180,000 GSF Building for the Department of Molecular Engineering. Facility includes large Imaging/Optics Suites as shared cores, possibly long use core facilities, NMR Suite and analytical instrumentation core facility. The main research laboratories are designed to be highly adaptable in that they can fluctuate between high and low fume hood densities up to 6 per 1,000 NSF. The Institute for Nano-engineered Systems (NanoES) is an initiative of the College of Engineering to bring together faculty teams from across the college and the university to catalyze cutting-edge and translational research.

Client Reference: Matt O'Donnell, Dean College of Engineering T: 206.543.1829 E: odonnel@u.washington.edu
Completion: 2017 Delivery Method: Design-Bid-Build
Project Budget: $117,000,000

Planning for Flexibility: *Washington State University Everett STEM Building Predesign*
Miller Hull provided programming and consulting services to develop the design-build RFP for a new 95,000 SF lab-focused, academic building adjacent to the Everett Community College Campus. As the first WSU building on Everett College's campus, the program included administration and student engagement spaces and was designed to be at the entry of a larger future satellite campus for WSU. Programming efforts concentrated on STEM focused spaces that will provide training appropriate for careers with local businesses. Miller Hull used 3D room detail sheets to help faculty and students from the STEM programs envision the new spaces beyond typical floor plan views. This was an effective communication tool and allowed for vibrant discussions about required casework, equipment, and architectural attributes.

Client Reference: Olivia Yang, Associate Vice President Facilities Services T: 509.335.5571 E: olivia.yang@wsu.edu
Completion: 2015 Delivery Method: Predesign for Design-Build
Project Budget: N/A Actual Cost: N/A

ADDITIONAL PROJECTS:

Supporting Clinical and Research: *Center for Molecular Medicine, University of Nevada (RFD)*
41,005 NSF of laboratory in an 87,875 GSF research building and connected 25,000 GSF clinical building. The research laboratories support translational biomedical research with focuses that include Microbiology and Immunology; Pharmacology; and Physiology.

Maintainable Systems: *Washington State Public Health Lab BSL-3 Addition* Centralized systems are the life blood of a functioning laboratory, and their layout and design requires considerable attention and integration during the early stages of design. Functional clearances for maintenance and repair and rigorous attention to layout and efficiency celebrate the importance of mechanical space.

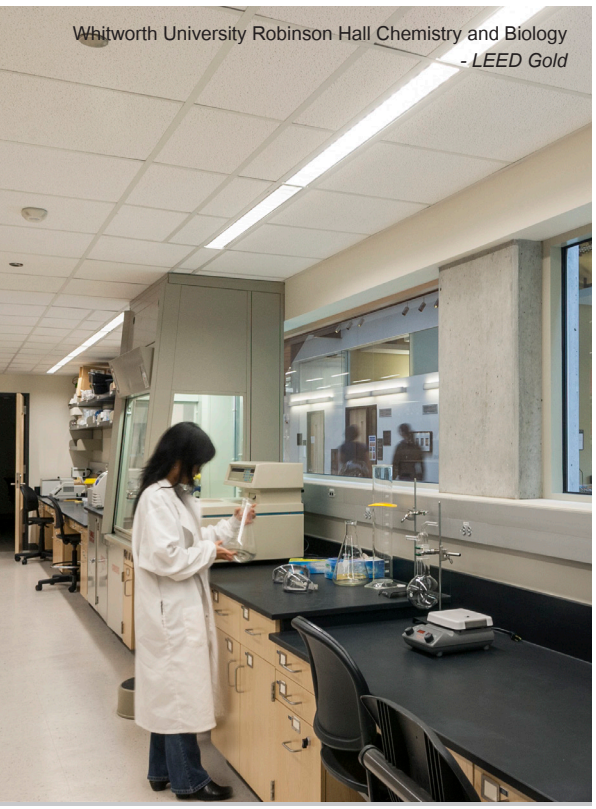
Access to Daylight and Transparency: *Whitworth University Robinson Hall Chemistry & Biology (MH w/ RFD) - LEED Gold*
Research laboratories are located in the central core of this multi-story research and teaching facility. A linear skylight located above a three-story open stairway brings light deep into this core and provides opportunities for borrowed daylight at the benchtop within the research spaces. Transparency at this level improves line of sight, allowing students to see into the research space, raising awareness and improving fundamental safety.

Neighborhoods: *Bureau of Environmental Services Water Pollution Control Lab* Designed over 20 years ago, though still relevant in modern laboratory planning, this open laboratory is organized into neighborhoods providing specialized functions within defined bays and common use services, such as glassware, shared equipment, and additional benchtop organized along a central spine bringing staff together to strengthen community.

BES Water Pollution Control Lab

Center for Molecular Medicine - RFD

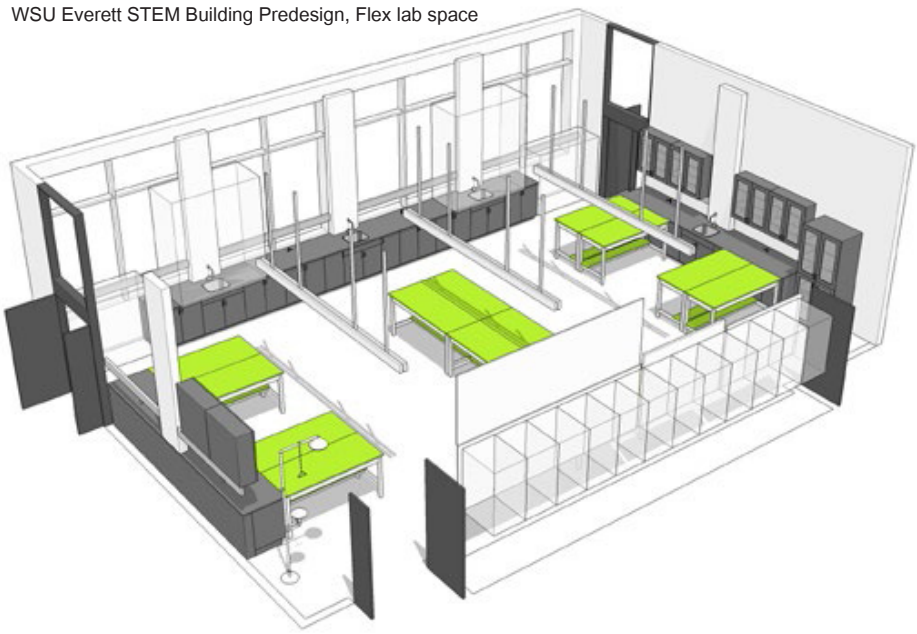
Whitworth University Robinson Hall Chemistry and Biology - *LEED Gold*



Molecular Engineering & Sciences Institute (MolES) and The Institute for Nano-engineered Systems (NanoES) - *LEED Gold* - RFD

Washington State Public Health Lab BSL-3 Addition

WSU Everett STEM Building Predesign, Flex lab space



3 | **RELEVANT EXPERIENCE:** INSPIRING WORKPLACES

How does working at Public Health Laboratories create a healthy, productive, and culturally positive place to work? Our firm focuses on creative, collaborative solutions, using our extensive knowledge of sustainable, energy-efficient strategies and our comprehensive expertise in healthy workplace design. This expertise will be the catalyst to form your space into a building that will make its employees proud. Our projects endeavor to provide each and every occupant access to the critical elements known to improve worker productivity, decrease absenteeism, and assist in employee recruitment and retention.

KEY PROJECTS:

Office Space, Conference Rooms, Public Education: *LOTT Clean Water Alliance Regional Services Center - LEED Platinum*

LOTT is a non-profit that functions like a public agency providing wastewater treatment services to the Lacey, Olympia, for their staff. LOTT includes an exhibition gallery and classroom, a 200-seat board room, a water treatment lab, and an administration office tower. Within the tower all spaces are under 30 feet from exterior glazing for optimal access to natural light and views to the Capitol Campus and the Olympic Mountains. Reclamation of wood from Port of Olympia warehouses on the adjacent site were used prominently in the new building as a reminder of the area's logging history and contribute to the warm and welcoming interior environment.

Client Reference: Michael Strub, Executive Director / T: 360.664.2333 / E: mikestrub@lottonline.org
Completion: 2010 Delivery Method: Design-Bid-Build
Cost: $13.4 million

Elevating Public Health: *University of Washington, Hans Rosling Center for Population Health - LEED Gold*

This building is conceived as a hybrid facility designed to respond directly to the mission of the University of Washington's Population Health Initiative—a vision to address the most persistent and emerging challenges affecting human health, environmental resilience and social and economic equity across the globe. The building brings related yet disparate specialties together in the pursuit of global health. Interior spaces are designed as a laboratory for ideas and to encourage collaboration. Multiple floors are dedicated to research, with a variety of office types that include open workstations, group work areas, conference spaces, instructional spaces and computer labs. To address the diverse nature of occupants and adaptability requirements, a nimble system of consistent workplace 'building blocks' provide for interchangeability of function and modularity in size and repeat throughout the building to create dynamic neighborhoods. The spaces "in between" are essential to foster chance encounters between collaborators.

Client Reference: Jeanne Natta, Project Manager / E: jnatta@uw.edu
Completion: 2013 Delivery Method: Progressive Design-Build
Project Budget: $230 million Actual Cost: $230 million

Zero Net Energy Office: *Bullitt Center - Living Building Certified*

The six-story, 52,000 SF Bullitt Center is the nation's first urban mid-rise commercial project to achieve full Living Building Challenge certification—the most ambitious benchmark of sustainability in the built environment. The building and its occupants use less water and energy (from solar power) than the building produces, known toxic building materials were removed and the landscape enhances ecology.

Client Reference: Denis Hayes, President & CEO, The Bullitt Foundation / T: 206.343.0807 | E: denis@bullitt.org
Completion: 2020 Delivery Method: Negotitated
Project Budget: $18.2 million Actual Cost: $18.5 million

ADDITIONAL PROJECTS:

Bringing Light into Government Office: *Pierce County Environmental Services Building (ESB)*

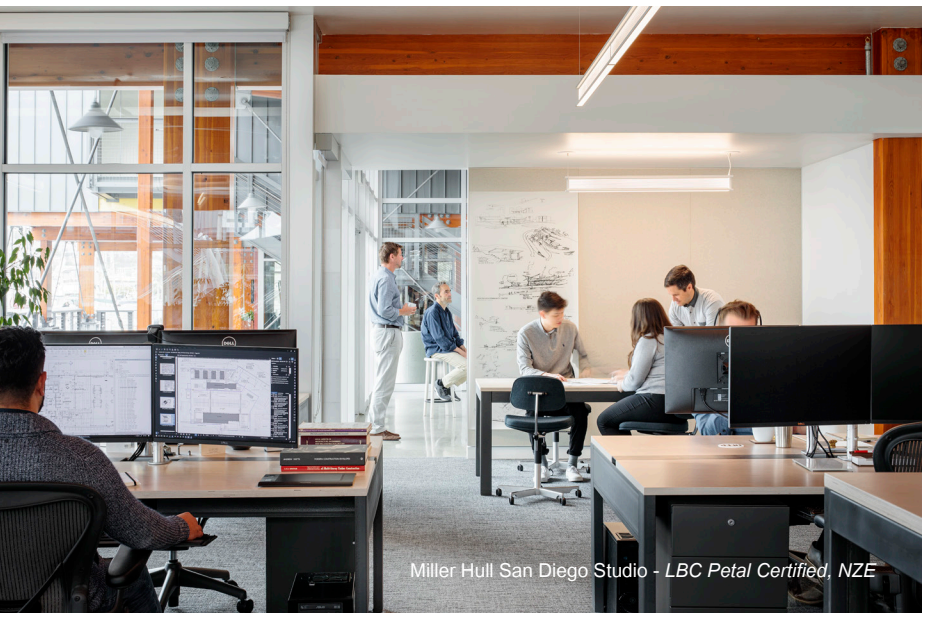
To create a more humane work environment, the design introduced natural light, interior vegetation, and views to the exterior. Enclosed office pods containing the individual offices and conference rooms cut through the open office "tail" of the building and define the various departments, while providing visual transparency through the structure. These office pods serve as the primary structure, allowing the office interior to be virtually column-free. A raised-floor air distribution system reduces the size and energy consumption of the mechanical system, improves indoor air quality, provides for future flexibility, and gives individuals direct control of their immediate environment.

NZE Tenant Improvement: *Miller Hull San Diego Studio - Living Building Petal Certified*

Practicing what we preach, our 4,600 SF office remodel achieved Living Building Petal Certification including Energy and Material Health. Beyond certification, the primary drivers of the renovation were occupant health and comfort considerations. As part of the Materials Petal, the design team put extensive effort toward eliminating harmful chemicals from the Living Building Challenge Red List, using regional materials and wood certified by the Forest Stewardship Council. We were able to achieve the Energy petal with the cooperation of our landlord by installing a 24 kW PV array to the roof and a battery backup system to achieve Net Zero Energy.

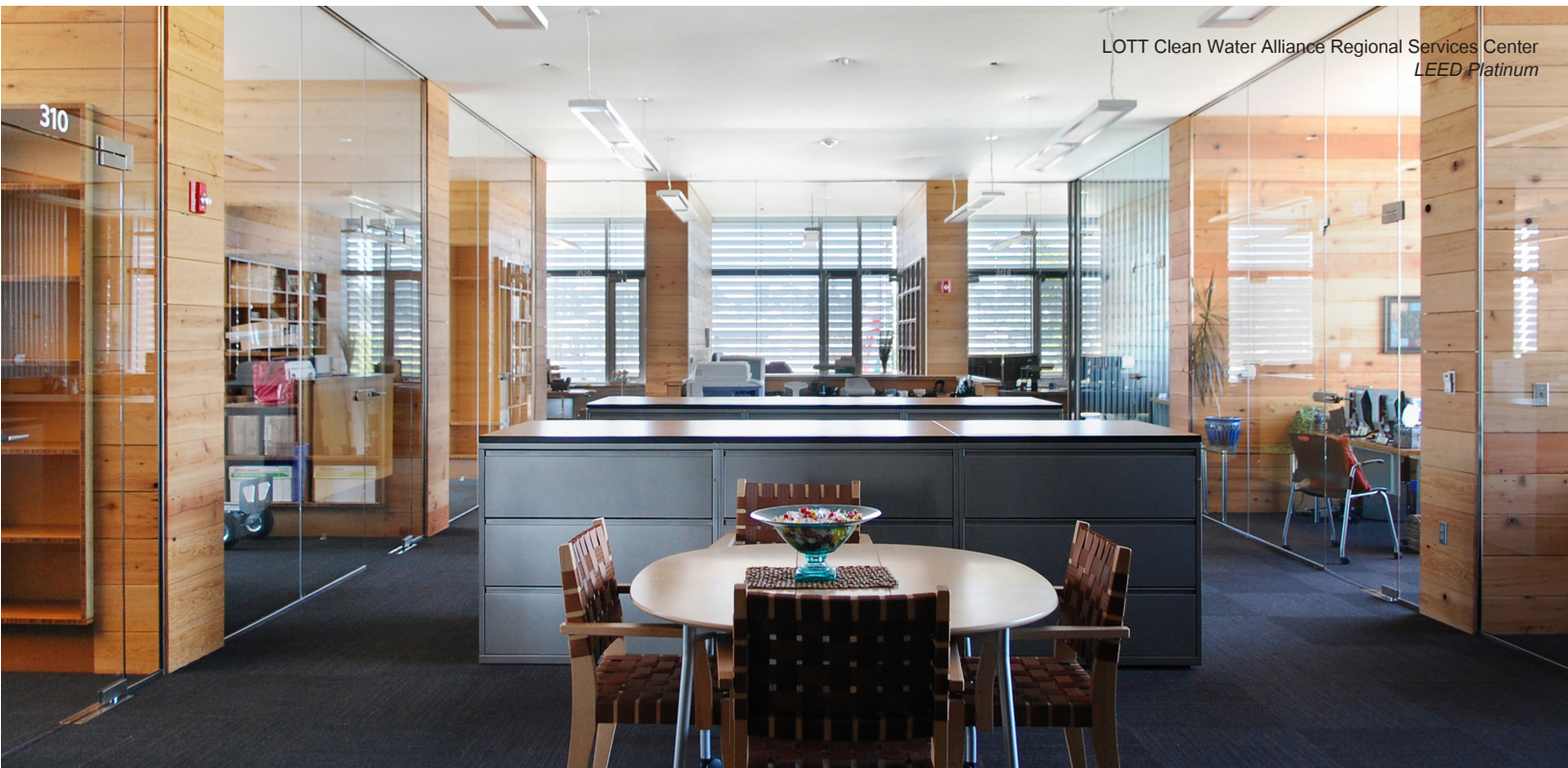
Bullitt Center, Seattle, WA - *Living Building Certified*

UW Hans Rosling Center for Population Health - *LEED Gold*



Miller Hull San Diego Studio - *LBC Petal Certified, NZE*

Pierce County Environmental Services Building



LOTT Clean Water Alliance Regional Services Center
LEED Platinum

4 | LIFE CYCLE COST ANALYSIS + SUSTAINABLE DESIGN EXPERIENCE + ZNE/ZNE CAPABLE

Kendeda Building for Innovative Sustainable Design, Georgia Institute of Technology
Living Building + LEED Platinum Certified - Miller Hull

4 | LCCA + SUSTAINABLE DESIGN EXPERIENCE + ZNE

Miller Hull is a leader in designing high-performance buildings from LEED certification to the Living Building Challenge. We work with clients to achieve unexpected sustainability results that can translate to long-term efficiencies, cost savings, and a healthier working environment. By partnering with our consultants to incorporate the right balance of passive design strategies—including using sunlight, wind and diurnal temperature variations to the advantage of the building— and active (mechanical) strategies we are able to plan and deliver some of the most sustainable buildings in the world.

We pride ourselves on our transparency and advocacy regarding high-performance buildings. We are original signatories to the AIA 2030 Commitment which aggregates our progress toward Zero Net Energy with the rest of the design industry, but we have taken this to the next level by publishing our individual pEUI and EUI project numbers on our website.

Zero Net Energy

We are currently working on four DES projects under the Executive Order 18-01, and we are working closely with those team so best achieve the State's high-performance building standards mandated by the state. Miller Hull has a deep resume of high-performance buildings that reduce energy demand, water consumption and dependency on fossil fuels. Nearly 10 years ago, the Bullitt Center was our first Zero Net Energy project; we have completed four more since then and have several in design. Our new Miller Hull San Diego studio recently completed its 1-year performance period as Net Positive; generating 30% more energy than it used. Net Zero Energy are the buildings of the future, and we take on each project as a unique combination of technical design but rooted in the needs of the user. We are excited to work you to achieve this.

LEED Certification Experience

Miller Hull has delivered nearly 3 million square feet of LEED certified projects over the last twenty years! Our staff has provided LEED Administration services on a wide range of project types and has completed 46 LEED certified projects of varying levels and rating systems with another 31 in progress.

Certification Level	Completed Certification	In Progress Certification
Zero Net Energy	5	6
LEED Platinum	7	0
LEED Gold	25	18
LEED Silver	11	7
LEED Certified	3	2
Living Building certified	3	2
Living Building Petal certified	2	2
Envision certified	2	3

The investment Department of Health is making at the PHL currently in designing and constructing a new central utility plant will dramatically help the E-Wing Molecular Laboratory pursue zero net energy as a state mandated project objective. The all-electric central utility plant will eliminate DOH's current reliance on the Fircrest Steam Plant that utilizes gas-fired boilers, enabling the elimination of greenhouse gas (GHG) emissions from fossil fuels. In addition, given the primary heat source for the new plant will be a geothermal field, the energy efficiency associated with generating the heating water will be approximately 4 – 5 times greater than if gas-fired boiler technology is used. This overall reduction in heating energy may be credited to the entire PHL, including the new E-Wing Molecular Laboratory. By relying on this new, fully decarbonized central utility plant for heating and cooling, additional life cycle cost efficient strategies for driving down other energy demand for the new laboratory may be pursued more cost effectively. Additionally -- pending capital budget approval -- the planned deployment by DOH of a large solar PV array on the campus as a separate project will offset a portion of the remaining energy demand by the Molecular Laboratory. This will bring the laboratory closer to achieving ZNE without burdening the project budget.

Life Cycle Cost Analysis

Both Miller Hull and this team, especially Tom Marseille, have worked with OFM's LCCA tool to assist in project analysis and decision making. Some projects include:

- Public Health Lab, South Lab Addition
- Bellevue College Science Building
- South Puget Sound Community College Science Building
- Kitsap County Administration Building
- UW Tacoma Paper & Stationery Building
- UW College of Engineering Predesign
- UW Bothell, Phase 4 STEM Building Predesign

On the **UW Tacoma Paper & Stationery project,** we carried out ELCCA studies in the predesign phase to study integrated design approaches for optimizing energy performance and to recommend funding amounts for construction that would support the solutions meeting sustainability goals at the lowest life-cycle cost. We have additional innovative work using LCCA to study sustainability solutions in early decision-making on projects with the Port of Seattle, and US Department of State.

We would work with DES and the DOH early to identify the main goals of the analysis and then develop and implement an analysis that supports information and decision-making. This may focus simply on go/no-go decisions, long term budgeting for O&M, or could also bring in major decisions around program, sustainability, or other major factors. In later phases, LCCA would be used to evaluate system selection that meets project goals around performance.

5 | PAST PERFORMANCE

UW Tacoma, Paper & Staionery Building Renovation

5 | PAST PERFORMANCE

Aligning budget, schedule, and scope, and finding the balance among them involves open conversations that lead to not only a shared understanding but a shared commitment. To accomplish this, a clear management approach is invaluable to the overall health and success of the project during predesign and beyond.

Our goal will be to make a compelling case for a new E-Wing Molecular Lab and the value it will bring to the community and state. We will ensure the predesign provides concise, diligent backup to substantiate the capital projects funding that has been allocated. We use the following methods to achieve this within a healthy team environment.

1. Leading with a Culture of Trust + Respect

Our team brings deep experience in the design and management of public facilities and energizing user and facilities groups, while consistently designing complex projects under budget. One of the first steps in our work together is to identify a clear communication plan and decision-making method. By establishing early on how the project team commits to working together, we ensure that all stakeholders and team members understand what's happening and how productive decisions will be made. Creating a working environment that seeks input from stakeholders establishes unique project goals and greatly influences the design direction. When stakeholders see and hear how their input shapes the predesign, they'll be all the more invested in the success of the project.

Crafting an Inclusive Process We begin our predesign projects developing a stakeholder plan. Who needs to be involved and when? Who will be the decision makers, who will provide input and who just needs to be informed about the progress of the project? This stakeholder plan is woven into our work plan so that no group is forgotten or left behind, and the project is something the entire campus community can look forward to.

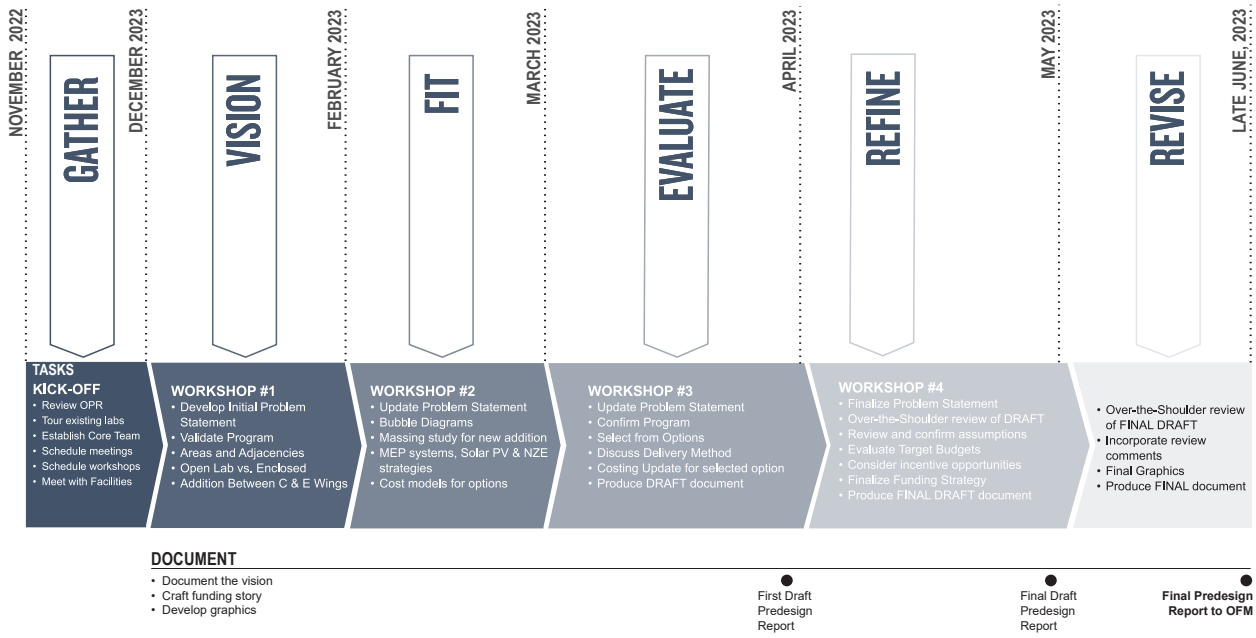
Leveraging Expertise Our approach to design includes a robust spirit of collaboration within our team of sub consultants and with our clients. This approach often results in planning for synergies between building systems and vision goals that in turn reduce costs while driving up building performance.

2. Creating a Solid Roadmap

The schedule is the team's roadmap for a project, operating in concert with collectively established critical meetings and deliverables. At our first meeting, we suggest a schedule planning session to create the predesign schedule together, working backward from the capital budgeting submittal deadline to ensure that the predesign is considered for OFM approval. We will design the process to meet your timeframe goals and address any constraints you may have. Meeting dates and times will be established well in advance to ensure the participation of key personnel for input and decisions.

We pride ourselves in planning the work to meet milestone deadlines with the appropriate level of development at each stage of the process, guiding the team to make solid, timely decisions in support of the project goals, while ensuring that the team takes full advantage of the resources and expertise available. **Below we have included some initial ideas on what our roadmap could look like for this project.** We will further develop this together.

Clear Expectations The best way to stay on schedule is to make sure that it is clear and everyone understands how the



project will progress. Graphic “road maps” can serve both as a simple visualization of how the project would come together, and contained enough schedule information to quickly let people know when we were in the process at all times. At the beginning of every meeting and presentation, we start with a summary of “what we have accomplished”, “where we are today” and “what is still ahead of us.” This sets the expectations for the group on the focus for that moment in time, while both reminding everyone of the decisions that have set the foundation of the project to date and describing the appropriate time for future topics.

2. Shaping a Vision

Miller Hull will lead a process of discovery and discussion, offer opportunities for new thinking, highlight common goals, and provide a path to consensus. This process of micro-level information gathering, combined with macro-level steering, has proven successful in maintaining alignment between project goals and stewardship of funding.

Building a Tool Kit Our wide range of institutional experience enables our team to bring a versatile “tool kit” to each predesign process. This “tool kit” consists of an array of skills that translate to value-added for clients like DOH-PHL: an ability to build stakeholder consensus, a tenacious interest in research, diligent process design, creative problem solving, and in-depth analysis of program, site and systems to more clearly assess opportunities and understand project cost projections. By sharing our experience in planning flexible, collaborative learning spaces that are creative and energy efficient, we broaden possibilities. Together, we will test and discover new approaches for impactful possibilities to elevate partnerships.

Maximizing Flexibility By diligently exploring opportunities for flexibility and adaptability that will enable cost-effective change in the right place and time through integrated design solutions, you maximize building system performance and reduce the total cost of ownership. Our team will work with DES and DOH to identify the best synergies and space efficiencies that allow you to do more with less between collocated services, without losing the unique features that distinguish each program. We will develop alternatives that are flexible to accomplish current program needs and evolving technologies, and adaptable to permit the inevitable changes over the life of the facility.

4. Designing to Targets

With limited physical and financial resources, we understand our public clients’ need to optimize capital projects to work today and well into the future. Early in the process, we will establish what the project constraints and “must haves” are so that we can deliver a simple and elegant solution that achieves programmatic and design goals within an established budget. In addition, we will provide a program that has the flexibility to evolve if necessary in future design phases while still meeting the programmatic needs and overall project goals. We will work collaboratively with the DES and DOH to design to filter out approaches and systems that are outside of the target cost range and focus efforts on options and that support an elegant, bold, and functional design for the building and site.

Understanding Uncertainty Predesign estimates can be challenging with the uncertainties of funding and of future market conditions. Miller Hull has a reputation for designing on schedule and on budget while delivering world class, high performance, and cost-effective projects. Active collaboration and regular communication between our lead estimator, Jon Bayles and the entire design and consultant team allows disciplines to articulate elements that are not fully documented at this early project stage, minimizing gaps in understanding. In predesign, we have found that Jon’s familiarity with our design process identifies important project elements for a comprehensive response to estimating. We have completed multiple predesigns with Jon Bayles and all of those projects have been funded and are in design or complete with construction.

Developing Benchmarks Together with you, our team researches and collects information related to space usage and layout, structural systems, MEP + systems, and desired program elements from the benchmark projects. We use this information along with measurable data gathered from stakeholder groups to help inform and define space types and create a target basis of design for site, building systems, and architecture.

5. Delivering Clear + Concise Information

In our engagement with DES and DOH, we will equip you with the information to make clear, informed decisions by outlining options and initiatives for your consideration in ways that are easily understood, supported, and communicated to stakeholders to ensure the E-Wing’s continued progress and funding.

Clear Communication of Ideas In this moment of increased remote work, we have developed effective and engaging methods to collaborate with client groups. We communicate through a variety of mediums with spoken, written, and graphic tools. User-friendly online platforms are strategically deployed to facilitate input through a variety of modes, broadening the voices of participants by offering visual, auditory, and written options.

One-Page Summaries In our experience, keeping a design process on track is reliant on not revisiting decisions multiple times. This means keeping stakeholders informed in advance and following key decisions. We use one-page summaries to describe at a high level the various options under consideration, why a particular option made the most sense, and what was ultimately chosen. This gives stakeholders confidence in why certain decisions are being made—and provides helpful reminder back up later on.

6 | DIVERSE BUSINESS EQUITY + INCLUSION STRATEGIES

Miller Hull Open Studio Summer Bridge Program

6 | DIVERSE BUSINESS EQUITY + INCLUSION STRATEGIES

Diverse backgrounds, experiences and thoughts are essential to ensuring that broad perspectives are woven into the planning for the DOH E-Wing Molecular Lab Predesign. Miller Hull knows how critical it is to have diverse perspectives, and true inclusivity begins with the composition of our project team.

As demonstrated with our proposed team for this project, Miller Hull has long-standing relationships with our consultants, and we seek opportunities to identify and engage qualified team members that meet SBE, VOB, and MWBE criteria. We have access to multiple advocacy organizations to ensure good coverage of consultant/subcontractor opportunity solicitations, such as the Minority Business Enterprise Center (MBEC), and Washington State's OMWBE directory. We are committed to supporting these partnerships by including all our listed consultants in the full development of the project due to the indispensable role each will play in delivering the project's scope. Understanding the barriers that exist in visibility, access to information, and relevant experience, we have embraced that our mentorship role is key to expanding our diverse business community.

Within our teams, we continually pursue best practices and encourage open, trust-based teamwork to improve our work. This is a two-way street throughout the contract, and we consistently work with all team members on improving roles and ability to contribute.

Outreach Efforts on Previous Projects include:

Hans Rosling Center for Population Health
Owner & Contract: University of Washington Jeannie Natta, T: 206.616.7579 / Utilization Goals: 10% / Final Contract Value: $176 Million / Percentage paid to Diverse Businesses: 24.5%

Health Sciences Education Building
Owner & Contract: University of Washington Julie Knorr, T: 206.221.6535 / Utilization Goals: 20% / Final Contract Value: $79.7 Million / Percentage paid to Diverse Businesses: 21.5%

Tacoma Paper & Stationery Building Renovation
Owner & Contact: University of Washington Jeannie Natta, T: 206.616.7579 / Utilization Goals: Voluntary: 10% MBE, 6% WBE / Final Contract Value: $359,818; $2,526,692 contract value / Percentage paid to Diverse Businesses: 14.13%

WSU North Puget Sound at Everett
(Programming for Design-Build)
Owner & Contact: OAC Services, Inc. (Owner's Rep) Stacy Shewell, Project Manager T: 206.674.6117 / Utilization Goals: None / Final Contract Value: $479,586 / Percentage paid to Diverse Businesses: 10.8%

Access + Education

Miller Hull is committed to diversity and equality within our firm and within our communities. The design and construction industry must actively educate ourselves on topics regarding race, gender, privilege, and the diversification of our own workforce. Additional strategies we employ to increase access, education and capabilities include:

Developing Tomorrow's Diverse Workforce – Guiding Adults and Inspiring Youth: As part of our commitment to strengthening WMBE opportunities, Miller Hull provides ongoing access and opportunity through annual internships, scholarships and job shadowing.

Open Studio. In 2018, Miller Hull launched Open Studio, an introductory architecture program designed to provide BIPOC high school students the opportunity to experience and potentially identify a career in architecture. Through outreach and education, this broad introduction to architecture and design is held during the summer in our Seattle studio.

ACE Mentorship Program of America (Architecture, Construction & Engineering). Since 2008, MIller Hull has hosted and mentored high school age youth interested in the building, design and construction fields. Our work with students includes advocacy, mentorship and exposure to real-world design projects, job site visits and critique of student design projects.

Equity Lab. Initiated in 2020, Equity Lab is an advisory group of individuals within the Miller Hull Partnership who collectively provide recommendations, support and guidance, and promotes continual, honest, and open re-evaluation of all aspects of our practice through a justice, equity, diversity, and inclusion lens. Through the firm's ongoing commitment, all staff are going through Racial Equity Training through a 3rd party which includes group sessions as well as 1:1 sessions for leadership. Our goal is to maintain a safe and trustworthy community that implements the best architecture possible and becomes the change we wish to see in our industry and beyond.

JUST Certification. Since 2015, Miller Hull has been a JUST-certified company. JUST is the International Living Future Institute's social justice transparency platform and labeling program that seeks to shed light on how companies treat their workers, and where they make their investments. JUST companies are recognized throughout the industry as pioneers for practicing transparency, fairness and equity.

SF330 PART II FORMS

STREAM Building, Seattle Academy of Art & Science - Miller Hull

ARCHITECT - ENGINEER QUALIFICATIONS

PART II - GENERAL QUALIFICATIONS
(if a firm has branch offices, complete for each specific branch office seeking work)

1. SOLICITATION NUMBER: **2022-904**

2a. FIRM (OR BRANCH OFFICE) NAME
The Miller Hull Partnership, LLP

3. YEAR ESTABLISHED: 2000 (LLP)

4. DUNS NUMBER: #157882374

2b. STREET: 71 Columbia St, 6th Floor

5. OWNERSHIP
a. TYPE: Partnership
b. SMALL BUSINESS STATUS:

2c. CITY: Seattle | 2d. STATE: WA | 2e. ZIP CODE: 98104

6a. POINT OF CONTACT NAME & TITLE: Ron Rochon, FAIA, Managing Partner

7. NAME OF FIRM *(if block 2a is a branch office)*:

6b. TELEPHONE NUMBER: 206.682.6837

6c. E-MAIL ADDRESS: rrochon@millerhull.com

8a. FORMER FIRM NAME(S) (if any)	8b. YR ESTABLISHED	8c. DUNS NUMBER
The Miller Hull Partnership	1977	
RIA Architects (Seattle, WA & Vancouver, BC)	1975	#15-788-2374

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administrative	12	
06	Architects		
	Licensed Architects	59	
	Intern Architects	24	
37	Interior Designers	3	
56	Specifications	1	
	TOTAL	**98**	

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number *(see below)*
A06	Airports; Terminals and Hangars; Freight Handling	4
C06	Churches; Chapels	1
C10	Commercial Building (low rise); Shopping Centers	1
C11	Community Facilities	5
D07	Dining Halls; Clubs; Restaurants	1
E02	Educational Facilities; Classrooms	7
E06	Embassies and Chanceries	8
F03	Fire Protection	2
G01	Garages; Vehicle Maintenance Facilities; Parking Decks	1
H10	Hotels; Motels	2
H11	Housing (Residential, Multi-Family; Apartments; Condominiums)	4
I01	Industrial Buildings; Manufacturing Plants	2
I05	Interior Design; Space Planning	1
L01	Laboratories; Medical Research Facilities	1
L04	Libraries; Museums; Galleries	3
O01	Office Buildings; Industrial Parks	6
P05	Planning (Community, Regional, Areawide and State)	1
P13	Public Safety Facilities	6
R04	Recreation Facilities (Parks, Marinas, Etc.)	4
R06	Rehabilitation (Buildings; Structure; Facilities)	1
S09	Structural Design; Special Structures	1
S11	Sustainable Design	1
W03	Water Supply; Treatment and Distribution	4
Z01	Zoning; Land Use Studies	1

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)

a. Federal Work	8
b. Non-Federal Work	8
c. Total Work	**9**

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less that $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE: The foregoing is a statement of facts.

a. SIGNATURE 

b. DATE: August 30, 2022

c. NAME & TITLE: Ron Rochon, FAIA, Managing Partner, The Miller Hull Partnership, LLP

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