DRAFT STATEMENT OF WORK

WORK TO BE PERFORMED BY CANADIAN NUCLEAR LABORATORIES (CNL) IN MANAGING AND OPERATING ATOMIC ENERGY OF CANADA LIMITED'S (AECL'S) SITES AND ASSETS

2025 GOVERNMENT-OWNED, CONTRACTOR-OPERATED CONTRACT

This DRAFT Statement of Work is being provided for information and to enable comment from the public. Content is subject to change.

INTRODUCTION

This draft Statement of Work (SOW) describes the overall work to be performed by Canadian Nuclear Laboratories (CNL) in managing and operating Atomic Energy of Canada Limited's (AECL's) Sites and Assets under a Government-owned, Contractor-operated contract, expected to come into effect in 2025.

AECL's objective is that CNL leverages its capabilities and resources to successfully deliver on the 'Primary Missions' and their individual and collective purpose:

- Science & Technology (S&T): Strengthen CNL's role as Canada's national nuclear laboratories by delivering on federal priorities in science & technology, pursuing valuable collaborations and partnerships, and advancing nuclear innovation for the public good. Leverage capabilities and assets to grow third party commercial services. Current work in this area includes supporting small modular reactor development, the development and application of targeted alpha therapy for medical applications, support for the CANDU fleet, and research in support of hydrogen and fusion applications.
- **Decommissioning & Waste Management (DWM):** Optimize, with consideration for acceleration opportunities, decommissioning, environmental remediation and waste management activities to reduce risks and hazards, protect the environment, lower AECL and Government of Canada liabilities, and decrease risks and costs over the long term. AECL expects that six sites/projects will be closed by 2035, with decommissioning activities remaining only at the Chalk River site.
- Chalk River Revitalization (Capital): Deliver an integrated, optimally configured capital expenditure and asset management program at the Chalk River Laboratories. Safely and securely manage AECL's real property, sites, buildings and facilities, and maintain capabilities, resources and infrastructure to meet current and future S&T needs. Activities in this area include completing the construction of the Advanced Nuclear Materials Research Centre, addressing significant base site infrastructure needs (e.g. electrical switchyard) and recapitalization of existing assets.

In undertaking the above, CNL shall:

- Drive innovation through the enhancement and development of new collaborations across academic and research networks and national and international industries.
- Leverage capabilities to deliver on federal research priorities and grow third-party revenues.
- Continue the revitalization of the Chalk River Laboratories to transform it into a more efficient, modern nuclear science and technology campus.
- Optimize the delivery of the decommissioning program and waste management program to reduce AECL's liabilities safely and cost effectively.
- Build and maintain meaningful collaborative relationships with Indigenous communities based on healing and reconciliation.
- Ensure that CNL sustains a robust health, safety, security and environment culture, that it is compliant and efficiently managed, and that capabilities, resources and infrastructure required to satisfy AECL's mandate are maintained.
- Drive organizational transformation and build the capabilities of CNL staff.
- Optimize delivery and cost of site operations.

The work to be performed by CNL under the CNL Agreement will be subject to AECL's existing contractual obligations and restrictions, including for greater certainty, its obligations and restrictions relating to the maintenance, use and exploitation of AECL's IP, and in accordance with the applicable regulatory regime.

In addition, the activities described in this SOW will be delivered through the implementation of an Annual Program of Work and Budget (APWB) that will be required to be submitted to and accepted by AECL. The APWB will be informed by multi-year plans to be developed and maintained by CNL, and identified in this SOW. CNL shall develop all plans as required in the CNL Agreement. CNL shall carry out all activities described in the SOW in accordance with those plans but subject to receipt of certain acceptances to be set out in the CNL Agreement.

CNL shall report monthly to AECL on performance against plans and measures in response to contractual, regulatory, and legal obligations. CNL shall seek approvals for changes in plans according to procedures identified in the CNL Agreement.

CNL is the holder of all CNSC issued licences, and must fulfill all obligations and requirements associated with these licences. CNL manages staff and processes to demonstrate compliance with these requirements.

Regardless of the APWB, CNL shall take any reasonable action to expeditiously address regulatory and/or safety concerns as they arise.

The work to be performed will be carried out at all AECL Sites, which include but are not limited to:

(a) Chalk River Laboratories and associated offices in Deep River, ON

- (b) Port Hope Area Initiative located in Clarington and Port Hope, ON
- (c) Whiteshell Laboratories, in Pinawa, MB
- (d) Nuclear Power Demonstration Reactor, in Rolphton, ON
- (e) National Innovation Centre for Cyber Security, in Fredericton, NB
- (f) Heavy Water Management Facility, in Bécancour, QC
- (g) Douglas Point Prototype Reactor, in Kincardine, ON
- (h) Gentilly-1 Prototype Reactor, in Bécancour, QC
- (i) Low-level Radioactive Waste Management Office and Northern Transportation Route (sites not owned by AECL), located in the Greater Toronto Area, ON, Northern Alberta and Northwest Territories.

CNL shall employ industry leading practices in change management in the implementation of all changes outlined in this SOW and consistent with regulatory obligations, Canadian labour law, union collective agreements and existing agreements to which CNL is a party, as they are amended from time to time, without precluding other relevant considerations, and requirements.

1. SCIENCE AND TECHNOLOGY (S&T)

- 1.1 General
 - 1.1.1. CNL shall deliver an integrated, effective, program and project-based, customer-focused S&T Mission that serves the needs of AECL and the Government of Canada as well as those of external customers. CNL shall leverage its capabilities to connect academia, industry and research networks to advance technologies for the benefit of Canada.
 - 1.1.2. CNL shall provide technical services and research and development products in support of:
 - 1.1.2.1. Federal responsibilities and priorities;
 - 1.1.2.2. Commercial work for third parties, subject to AECL's existing contractual obligations and restrictions; and
 - 1.1.2.3. Other activities of CNL as described herein including the pursuit of valuable collaborations and partnerships, and advancing nuclear innovation for the public good.
 - 1.1.3. CNL shall enhance the Chalk River Laboratories' professional stature and reputation in Canada and globally.
 - 1.1.3.1. CNL shall develop a comprehensive set of strategic performance measures that fit CNL's future based on Government of Canada and third-party business needs.

- 1.1.3.2. CNL shall implement these measures, baseline performance against the measures, report on progress, and propose growth goals.
- 1.1.4. CNL shall manage S&T project performance such that products and services are consistently delivered in accordance with any required client specifications, on time and within budget.
- 1.1.5. CNL shall endeavor to find opportunities for partnerships with Indigenous Nations and communities in advancing nuclear innovation work described in section 1.6, and build broader public and community support for these S&T opportunities to enable their success.

1.2 Planning

- 1.2.1. CNL shall maintain performance baselines and forecasts as it relates to S&T activities, with appropriate governance such that plans, including the APWB and 10-Year Plan, may be updated as required or as directed by AECL. These performance baselines will provide an appropriate level of detail as it relates to cost, schedule and risk to support performance reporting and forward-looking planning, including funding requirements.
- 1.2.2 S&T performance baselines will be supported by other planning materials that will include:
 - (a) S&T Capability Plan a plan that details the organizations current scientific capabilities from a facility, process and human resource perspective and provides an outlook on additional, redundant or outdated capabilities to be considered given the current and forecasted federal and industry requirements.
 - (b) Business Development Plan a plan that details the commercial pursuits to be taken over the same period as the 10-year Plan, outlining strategies for entering new markets, maintaining or growing existing markets and providing forecast(s) for revenue targets. The Business Development Plan will align with the S&T Capability Plan.
- 1.2.3 Where appropriate, S&T projects will be subject to appropriate governance via gating & sanctioning and subject to AECL approval commensurate with the project's level of risk, complexity and cost.

1.3. Federal Priorities

- 1.3.1. CNL delivers an integrated, effective, project based and customer-focused science and technology Mission that serves the needs of AECL and the Government of Canada through both the Federal Nuclear Science & Technology (FNST) Work Plan and commercial service.
- 1.3.2. Federal priorities focus on four research themes:
 - (a) Supporting safe, secure and responsible use and development of nuclear technologies.

- (b) Supporting the development of biological applications and understanding the implications of radiation on living things.
- (c) Enhancing national and global security, nuclear preparedness and emergency response.
- (d) Supporting environmental stewardship and radioactive waste management.
- 1.3.3 The core needs of the Government of Canada drive the infrastructure, skills and capabilities to be maintained at the laboratories, while changing policy interests and priorities of Government inform what specific projects are undertaken in each theme over time.
- 1.3.4 The project lists and specific priorities are determined annually on a consensus basis across the participating departments and agencies that have representation on the governance structure (committees). These federal interdepartmental committees set the priorities and determine strategic direction and funding allocations to support the FNST Work Plan. AECL manages and oversees the delivery of the FNST Work Plan.
- 1.3.5 CNL shall support AECL and the Government of Canada's S&T needs, which includes performing work as directed by AECL or the Government of Canada to meet core federal responsibilities in nuclear S&T services, policy and advice and any other areas in which CNL have products, services and capabilities needed by Canada.
- 1.3.2. CNL shall deliver the S&T services needed for the FNST Work Plan, as determined by an interdepartmental committee and communicated by AECL.
- 1.3.3. As required by AECL, CNL shall work with the interdepartmental committee(s) to assist in determining an ensemble of projects that will fit within the scope and priorities of the federal nuclear S&T needs, and, at the same time, help to support and maintain facilities and capabilities identified by the interdepartmental committee(s) as being important to ensure federal roles and responsibilities can be fulfilled.
- **1.3.4**. As part of the FNST, CNL shall develop and track performance and impact outcomes of the research on an ongoing basis.
- 1.3.5. As part of the FNST, CNL shall work with and support AECL in disseminating and communicating the results of the FNST with Government of Canada stakeholders, academia, the nuclear industry, other research institutions and the public more broadly.
- 1.4. Other S&T Activities for Government of Canada Organizations
 - 1.4.1 CNL shall sustain and pursue opportunities for strengthening existing and developing new relationships with Government of Canada organizations to provide S&T services outside of the scope of the FNST Work Plan on a commercial basis. These activities fall under what is called CNL as a Federal Laboratory.
 - 1.4.2. CNL shall be responsive to any requests to support federal ad-hoc S&T needs. In particular, CNL shall support, on a priority basis, any service requests from the Government of Canada arising in the event of a nuclear emergency as determined by AECL.

1.5. Commercial Work for Third Parties

- 1.5.1. CNL shall provide Commercial Services consisting of S&T products, services and access to the AECL Resources and CNL's Capabilities to third parties (including, but not limited to, Canadian and international private industry, academia, and non-federal public institutions and organizations).
- 1.5.2. CNL shall sustain and grow the commercial work for third parties through, but not limited to, outstanding customer service, key technical capabilities, specialized facilities, cost competitiveness, an integrated and effective Quality Assurance Program, and effective balancing of the portfolio of needs to deliver on all Government of Canada and customer expectations such that additional revenue streams and improved facility utilization will result.
- 1.5.3. CNL shall provide support, as requested and on a commercial basis, to the nuclear power industry to address their emergent technical challenges or other service needs.
 - 1.5.3.1 CNL shall comply with all contractual obligations between it and members of the nuclear industry for S&T service and with all existing licensing obligations of CNL.
- 1.5.4. CNL shall develop and build the portfolio of S&T products and services provided to third parties across the nuclear and non-nuclear sectors, nationally and internationally.
- 1.5.5. CNL shall continue exploration of commercial opportunities related to Targeted Alpha Therapy and other medical isotopes as per Accepted Plans.
- 1.5.5. CNL shall act as AECL's marketing and sales agent for AECL's heavy water inventory subject to the terms of the CNL Agreement.
- 1.6. Nuclear Innovation and Lab Directed Investment
 - 1.6.1. Via both margin on commercial work and through other funds that may be made available, CNL is to invest in S&T initiatives that will advance and accelerate nuclear and clean energy innovation and research, including fundamental or applied science, technology development, deployment and/or commercialization, for the future benefit of both CNL and Canadians. These investments leverage AECL Resources and CNL Capabilities, and consider new areas or opportunities for growth for the benefit of Canada.
 - 1.6.2. CNL's plans for nuclear and clean energy innovation activities shall be developed in collaboration with AECL. Where additional funding is available from private or public sector sources, beyond margin on CNL commercial work, that funding can be proposed for use by CNL, where the specific and funded investments are aligned with CNL's Primary Missions, and ownership of the relevant investment and resulting product is consistent with the CNL Agreement. Any proposed investments shall be subject to AECL acceptance and any gating and sanctioning requirements.
 - 1.6.3. Nuclear and clean energy innovation efforts will be largely focused on contributing to better health outcomes through advancements in nuclear medicine, to achieving net

zero goals through clean and sustainable energy systems, environmental protection and protecting the safety and security of Canadians.

- 1.6.4. Nuclear and clean energy innovation work includes building the networks and reputation as well as creating the opportunities for cooperation across academia, industry, research networks, Indigenous Nations and communities that will allow CNL to be an influential member of the Canadian and international nuclear industry and/or scientific community.
 - 1.6.4.1 CNL shall strengthen relationships with academia via research collaborations, supporting fundamental research, innovation or technology readiness at the university and college level, establishing co-op and other work programs as well as close recruitment ties. Enhanced collaboration is intended to build capacity in Canada to feed the Technological Readiness Level pipeline that will turn research into reality.
- 1.6.5. CNL shall continue to advance opportunities for nuclear technology development and deployment, hydrogen, fusion and nuclear medicine based on Accepted Plans, and shall propose new areas of opportunity, as appropriate, for consideration by AECL.
- 1.6.6. At minimum, CNL shall invest 5 percent of all non-waste revenues in low technology readiness level S&T capability or research activities to position CNL for the future (including commercial opportunities or anticipated federal needs) as described in the CNL Agreement. This can be modified with agreement from AECL on an annual basis.
- 1.7. Internal Laboratories Support
 - 1.7.1. CNL shall provide the S&T products and services needed for CNL to perform its other obligations under this SOW.
- 1.8. Obligations to Maintain and Enhance Capabilities

CNL shall manage the maintenance and readiness of its capabilities and collaborations, and the management of AECL Resources as well as commercialization efforts, nuclear innovation efforts and internal laboratory research, described herein.

- 1.8.1. Capabilities
 - 1.8.1.1. CNL shall manage its S&T capabilities to retain operational S&T capacity to fulfill the S&T obligations across the entire scope of this SOW in a safe and cost-effective manner.
 - 1.8.1.2. CNL shall work with AECL and the federal interdepartmental committee(s), as well as review industry direction, to discuss and update the S&T Capability Plan on an annual basis or as requested by AECL.
 - 1.8.1.3 CNL shall ensure that the necessary S&T capabilities, assets and know-how remain ready and able to provide the expert technical support required in the event of a nuclear emergency, both at a CNL-managed site and other nuclear sites in Canada.

1.8.2 Facilities

- 1.8.2.1. CNL shall, on an annual basis, review all existing S&T facilities in consideration of their long-term mission and sustainability, taking into account capabilities needed to support the FNST Work Plan and commercial work, and make recommendations to AECL on their maintenance, renewal, shutdown, or replacement as part of CNL's proposed APWB and the S&T Capability Plan.
- 1.8.2.2. Where appropriate, CNL will recommend to AECL the transfer of buildings and assets to the DWM program, such that the ongoing S&T commitments are as cost effective as possible, and identify the long-term financial implications of these recommendations showing their risk and benefit. CNL shall then implement the approved actions.

1.8.3. People

- 1.8.3.1. CNL shall recruit, develop, and maintain the necessary qualified scientists, technologists, technicians and engineers at all levels in CNL as required to meet the obligations of this SOW and promote technical excellence that is recognized nationally and internationally.
- 1.8.3.2. CNL shall review, as needed or as requested by AECL, the key technical personnel capabilities required to support future S&T activities, and capture this in the S&T Capability Plan along with an action plan to build, reinforce, refocus, or deemphasize key capabilities in CNL.
- 1.8.3.3. CNL, through its S&T activities and collaborations, shall support development of highly qualified and skilled personnel.

1.8.4. Collaborations

1.8.4.1. CNL shall manage, grow, and strengthen S&T collaborations with academia and industry in line with CNL's expected direction for S&T and the Accepted Plans.

1.8.5. Commercialization

- 1.8.5.1 CNL shall support exploitation of the Licensed Technology, including through intellectual property licensing or other innovative means in accordance with the terms and conditions of the CNL Agreement and the IPLA.
- 1.8.5.2. CNL shall encourage technology exploitation within the nuclear laboratories through a reasonable system of recognitions and rewards for personnel who are responsible for the development and commercial application of new knowledge and technologies.

1.9. Full Cost Recovery of S&T Services

1.9.1. CNL shall ensure that the pricing for federal, commercial, and internal S&T services is established in a manner to ensure that, overall, at a minimum the full costs of the provision of S&T services and the sustainability of CNL's capabilities are covered by total

non-DWM funding and revenues, excluding revenues and costs associated with heavy water activities.

- 1.9.2. As an exception to the above, internal S&T services to support non-third party DWM will be covered through DWM funding allocated to CNL by AECL.
- 1.9.3. CNL shall review annually the full-cost recovery methodology described in 1.9.1 and define its pricing approach in its annual program of work.

2. DECOMMISSIONING AND WASTE MANAGEMENT (DWM)

- 2.1. General
 - 2.1.1. DWM generally refers to the following activities:
 - (a) Deactivation: performing isolation, re-routing of the utilities, removal of holdup materials, removal of equipment, etc.;
 - (b) Decontamination: characterization, radioactive and hazardous material abatement activities, site clean-up, verification;
 - (c) Demolition: demolishing structures including building slabs and below-grade features within the immediate building footprint area where necessary;
 - (d) Waste management: consists of the characterization, removal, retrieval, sorting, drying, conditioning, size reducing, processing, packaging, labeling, inventorymanagement of wastes and of the management of waste stores including surveillance programs, maintaining them in a fit-for-service condition, and transportation and disposal of all types of radioactive waste and non-radioactive waste;
 - (e) Environmental Remediation (also known as environmental restoration): consists of the clean-up of contaminated lands and water, the removal of remaining hazards that pose an unacceptable risk or that do not meet the Site-specific Release and Clean-up Criteria, the verification of meeting Site-specific Release and Clean-up Criteria, and the restoration to a condition specified in the Site-specific Release and Clean-up Criteria;
 - (f) Performance of all activities required to establish Long Term Care, as required and interim performance of required Long Term Care activities until Closure is formally achieved; and
 - (g) Obtaining all Permits, Licences, Approvals and Agreements from the Regulatory Authority and other applicable Governmental Authorities.
 - 2.1.2. CNL shall perform the DWM requirements of this SOW in a manner that provides best value to AECL and Canada. CNL shall aim to substantially reduce decommissioning liabilities and hazards in a risk-based, output-oriented, cost-efficient and effective manner that focuses on acceleration of decommissioning scope and reducing maintenance and storage with surveillance costs. This work is to be carried out in a manner that is safe, compliant and ensures the long-term safety and security of the public and the environment.

- 2.1.3. CNL shall maintain a priority list and schedule of all existing and assigned DWM facilities and projects.
- 2.1.4. CNL shall perform DWM work that has been accepted by AECL as reflected in the Accepted Plans, including obtaining and maintaining all required Permits, Licences, Approvals and Agreements from or with the Regulatory Authority and complying with all other applicable Authority Requirements in accordance with the provisions of the CNL Agreement.
- 2.1.5. In undertaking DWM activities under this SOW, CNL shall endeavor to work and collaborate with Indigenous Nations and communities in a manner that is cooperative, including taking into account Indigenous Knowledge where appropriate, and fulfilling its obligations and commitments under existing (and any new) relationships and other agreements.
- 2.1.6. CNL shall integrate decommissioning and environmental activities within and across the Sites, optimizing use of available CNL capabilities. This includes activities related to the Port Hope Area Initiative, Whiteshell Laboratories (WL), Nuclear Power Demonstration (NPD) reactor, Low-level Radioactive Waste Management Office, Gentilly-1 Prototype reactor and Douglas Point Prototype reactor. Capabilities and resources should be leveraged to achieve measurable on-the-ground advances and outputs (e.g. acceleration, pollution prevention, waste management and minimization, optimal waste storage, and disposal, and deployment of new technologies among others), productivity improvements and cost efficiencies.
- 2.2 Planning and Decommissioning Liabilities
 - 2.2.1. CNL shall maintain performance baselines and forecasts, as it relates to DWM activities, with appropriate governance such that plans, including the APWB and 10-Year Plan, may be updated as required or as directed by AECL. These performance baselines will provide an appropriate level of detail as it relates to cost, schedule and risk to support performance reporting and forward-looking planning, including funding requirements.
 - 2.2.2. CNL shall maintain the life cycle estimates of AECL's decommissioning liabilities, and update such estimates as required on an ongoing basis. These lifecycle estimates will be aligned with the performance baselines.
 - 2.2.2.1. Any DWM Work must consider Canada's fiscal position with respect to its current provision for decommissioning liabilities. Any proposals, plans or projects will be done in a manner that is fiscally responsible.
 - 2.2.2.2. To the extent that a proposed scope of work will impact the decommissioning liabilities, the anticipated impact shall be documented via a Performance Baseline Change Proposal and seek the appropriate approval authorities as laid out in current CNL processes.
 - 2.2.2.3. At AECL's request, CNL shall deliver a complete lifecycle re-estimate of the total decommissioning liabilities.

- 2.2.3. CNL shall develop and keep up to date any required plans related to DWM, including, but not limited to, an Integrated Waste Strategy, Overview Decommissioning and Cleanup Plans and Land-use and End-State Plans. CNL shall engage AECL, stakeholders and Indigenous Nations and communities in the development, update and/or communication of these plans.
- 2.2.4. Individual decommissioning projects will be subject to appropriate governance via gating & sanctioning and subject to AECL approval commensurate with the project's level of risk, complexity and cost or as governed by liability cost estimate requirements.
- 2.3. Chalk River Laboratories
 - 2.3.1. Infrastructure Decommissioning
 - 2.3.1.1. Liability and risk reduction are the key drivers for infrastructure decommissioning at the Chalk River Laboratories, involving the planning, characterization, regulatory requirements, and physical decommissioning of facilities and structures deemed non-keeper in nature.
 - 2.3.1.2. CNL shall ensure that infrastructure decommissioning activities at the Chalk River Laboratories are appropriately prioritized with other DWM programming, strategically advancing, where appropriate, specific projects which will maximize the value to AECL by reducing health, safety, security and environmental risks, reducing the liability, reducing maintenance and surveillance costs, increasing benefits to other missions (e.g. creating space or changing footprint of the Controlled Area) or any combination of the foregoing.
 - 2.3.1.3 Decommissioning of infrastructure includes the planning, characterization, regulatory requirements and physical decommissioning of the structure.
 Infrastructure decommissioning scope of significant priority during this contract period includes, but is not limited to:
 - (a) Complete decommissioning of the former tritium laboratory building.
 - (b) Complete decommissioning of the former thorium recovery building, the former de-ionization water plant, the former fuel rod storage bays and the former plutonium recovery laboratory.
 - (c) Complete decommissioning of the former corrosion laboratory buildings.
 - (d) Significant advancement of decommissioning of the National Research Universal facilities.
 - (e) Significant advancement of decommissioning of the National Research Experimental facilities.
 - (f) An integrated and optimized plan for decommissioning facilities ready to be decommissioned once the Advanced Nuclear Materials Research Centre is operational.
 - 2.3.2 Environmental Remediation

- 2.3.2.1. Through Environmental Remediation Work, CNL is responsible for risk reduction and remediation of contaminated lands and provides long-term monitoring and surveillance of contaminated groundwater, consistent with the Overview Decommissioning and Cleanup Plan. Activities include the remediation of Waste Management Areas and other affected lands, requiring feasibility and characterization studies where necessary to determine the most appropriate remediation of ground contamination. The Waste Management Areas include areas where waste was directly buried in trenches, pits, standpipes or tile holes, or in areas surrounding above or below ground structures and plumes. This waste is to be retrieved, characterized, sorted and stored or disposed in the appropriate manner, as per the Accepted Plans.
- 2.3.2.2 CNL will maintain a ground water monitoring and surveillance program, including monitoring of associated plumes and on-site treatment as required, in compliance with regulatory requirements.
- 2.3.2.2. Remediation of Chalk River lands includes the planning, characterization, regulatory requirements and physical remediation of the various Waste Management Areas and other affected lands. Environmental remediation scope of significant priority during this contract period includes, but is not limited to:
 - (a) Conditional on regulatory approval, permanent disposal of Low-Level Radioactive Waste currently in storage and being generated at the various AECL sites.
 - (b) Remediation of Waste Management Area A
 - (c) Construction of shielded facilities to handle legacy waste from 6,000+ bunkers and tileholes in Waste Management Area B. The constructed facilities will have capabilities to retrieve, condition and repackage High Level Waste, cemented target material, and co-stored Intermediate Level Waste inventories into storage and disposal-ready states in support of decommissioning Waste Management Area B.
 - (d) Advance progress on retrieval, conditioning and packaging of waste from WMA B to the extent possible

2.3.3 Waste Management

- 2.3.3.1. Waste Management activities include the processing, storage and disposal of waste from other AECL sites as needed. CNL shall be responsible for waste management and disposition of all materials and wastes generated by CNL, whether during normal operations or cleanup, all Historic Waste and Legacy Waste, all radioactive waste accepted from third parties under commercial terms and otherwise in accordance with the terms and conditions of the CNL Agreement, and all radioactive waste as requested by AECL from time to time.
- 2.3.3.2. CNL shall execute this program, prioritized on a risk basis. CNL shall ensure that all waste streams are identified, updating and maintaining the Integrated Waste Strategy as needed.

- 2.3.3.3. CNL shall assess and implement ways to: minimize waste generation, process/treat waste, recycle, package or re-package, provide short- and long-term waste storage, and pursue on- and off-site waste disposal options that are cost effective and efficient. Activities should focus on long-term solutions that reduce and minimize AECL's decommissioning liability.
- 2.3.3.4. CNL shall ensure that all waste management services provided to internal waste producers (e.g. Science and Technology) and third-party commercial customers are undertaken on a full-cost recovery basis. CNL shall maintain a cost model pertaining to waste storage and disposal to support charge rates used to support full cost recovery.
- 2.3.3.5. Waste Management scope of significant priority during this contract period includes, but is not limited to:
 - (a) Clean Waste: Current practices shall be continued or optimized to segregate clean waste from contaminated waste in an effort to reduce waste management costs.
 - (b) Low-Level Waste (LLW):
 - A near surface disposal facility (NSDF) is currently planned for disposal of LLW, pending regulatory approval. Conditional on regulatory approval, it is expected that CNL will have to continue and complete construction and commissioning as well as obtain regulatory approval to operate the facility following the Commencement Date.
 - ii Until such a time as NSDF is able to accept waste, LLW will be safely stored in interim storage, with this interim storage expanded as necessary to allow for continued progress of decommissioning activities at AECL's sites.
 - iii Upon availability of the NSDF, CNL shall transfer all waste from interim storage locations to the NSDF, consistent with the Waste Acceptance Criteria (WAC).
 - (c) Intermediate Level Waste (ILW):
 - i CNL shall continuously review and evaluate its practices for consolidation, treatment, volume reduction, handling and storage of ILW in order to achieve long-term management and cost efficiencies.
 - ii CNL shall consolidate all ILW (except that which is covered through current in situ disposal proposals) from across AECL's sites at the Chalk River Laboratories for storage, based on Accepted Plans and other applicable agreements. This includes planning and implementation for any infrastructure or facilities required to transport, handle and store the waste in a safe and compliant manner.
 - iii CNL shall work with the Nuclear Waste Management Organization (NWMO) and industry to support and advance the Integrated Waste Strategy for Canada, which aims at developing a disposal solution for Canada's ILW, including AECL's.

- (d) High Level Waste (HLW):
 - A key component of the HLW program is to maintain oversight and management of interim (>50 years) HLW storage facilities, in the most cost-effective manner while continuing to maintain safety and the protection of the environment. As of the Commencement Date, HLW does not have a final disposition site and therefore must be safely stored on the Chalk River Laboratories site until a national geologic repository is eventually sited, constructed, and operational for receipt.
 - ii CNL shall work with the NWMO, to ensure that CNL will be prepared to meet the Waste Acceptance Criteria ultimately required of HLW.
- (e) Heavy Water Detritiation: Commission and operate the Modernized Combined Electrolysis and Catalytic Exchange (CECE) facility to separate tritiated heavy water into virgin-level heavy water and minimize the need for ongoing waste management and associated burden on future generations.
- (f) Complete the Stored Liquid Waste project and make available the tanks and facilities for decommissioning and remediation.
- 2.3.4. Material Repatriation
 - 2.3.4.1 CNL shall pursue opportunities for repatriation of materials to their country of origin. Based on outcomes of analysis for disposition, those materials conducive to repatriation will be processed, packaged and transported to country of origin or elsewhere as required.
- 2.3.5 Third Party WM Services
 - 2.3.5.1. CNL shall accept radioactive materials in accordance with CNL's existing business practices as of the Commencement Date, subject to the provisions of the CNL Agreement and other applicable agreements.
 - 2.3.5.2. Subject to the provisions of the CNL Agreement, CNL may only consider material changes to its waste volumes of LLW and ILW or take on new lines of waste treatment or disposal, upon acceptance of a satisfactory business case by AECL. The business case must demonstrate that all applicable agreements have been followed (including any commitments to Indigenous Nations and communities), and include contributions to the Long-Term Disposal of Radioactive Waste Fund ("LTDRWF") to cover any associated increase in long-term liabilities.
- 2.4. Whiteshell Laboratories
 - 2.4.1. CNL shall carry out all DWM and related activities to safely achieve Closure of the Whiteshell Laboratories (WL) site.
 - 2.4.1. CNL shall perform the DWM work that is being undertaken at the WL site as of the Commencement Date in a risk-based, output-oriented, cost-efficient and effective manner to achieve timely Closure of the WL site, thereby substantially reducing AECL's radioactive waste and decommissioning liabilities, and ensuring the long-term safety

and security of the public and the environment. AECL wishes to minimize continuous human intervention to the maximum extent possible or practical when the WL site moves to Closure.

- 2.4.2. CNL shall be responsible for the management, storage, disposal, in-situ disposal or shipment for off-site disposal of radioactive and non-radioactive wastes generated. All LLW, ILW and HLW not meeting Site-specific Release and Clean-up Criteria shall be shipped to the Chalk River Laboratories.
- 2.4.3. CNL shall be responsible for ensuring that all services that are required to enable all activities necessary to perform the Work and achieve Closure of the WL site are in place. CNL shall undertake all nuclear and non-nuclear services required to enable DWM at the WL site and the provision of any new structures which may be required in connection with such DWM activities.
- 2.4.4. It is expected that as of the Commencement Date there will be ongoing work including, but not limited to, the waste retrievals of the standpipes and ILW bunkers, the Environmental Assessment approval process with the Regulatory Authority for the insitu disposal of the WR-1 research reactor, the transportation of HLW to the Chalk River Laboratories for storage, and all other decommissioning activities to enable the Closure of the site.
- 2.4.5 Following Closure, CNL will be responsible for Long Term Care of the site.
- 2.5. Nuclear Power Demonstration (NPD) Prototype Reactor Site
 - 2.5.1. CNL shall carry out all DWM and related activities to safely achieve Closure of the NPD site.
 - 2.5.2. CNL shall perform this work in a risk-based, output-oriented, cost-efficient and effective manner to achieve timely Closure of the NPD site, thereby substantially reducing AECL's radioactive waste and decommissioning liabilities, and ensuring the long-term safety and security of the public and the environment. AECL wishes to minimize continuous human intervention to the maximum extent possible or practical when the NPD site moves to Closure.
 - 2.5.4. CNL shall be responsible for the management, storage, disposal, in-situ disposal or shipment for off-site disposal of radioactive and non-radioactive wastes generated. All radioactive waste (HLW, including Used Fuel, ILW and LLW) not meeting Site-specific Release and Clean-up Criteria shall be shipped to the Chalk River Laboratories.
 - 2.5.5. CNL shall be responsible for ensuring that all services that are required to enable all activities necessary to perform the Work and achieve Closure of the NPD site are in place. CNL shall undertake all nuclear and non-nuclear services required to enable DWM at the NPD site and the provision of any new structures which may be required in connection with such DWM.
 - 2.5.6. It is expected that as of the Commencement Date there will be ongoing work including, but not limited to, the Environmental Assessment approval process with the Regulatory

Authority for the in situ disposal of the reactor, and all other decommissioning activities to enable the Closure of the NPD site.

- 2.5.7 Following Closure, CNL will be responsible for Long Term Care of the site.
- 2.6. Port Hope Area Initiative (PHAI)
 - 2.6.1. CNL shall be responsible for overall conduct and execution of the PHAI as set out in *An Agreement for the Cleanup and the Long-Term Safe Management of Low Level Radioactive Waste Situated in the Town of Port Hope, the Township of Hope and the Municipality of Clarington*, as amended (as amended, the "Legal Agreement"), or otherwise required by AECL.
 - 2.6.2. Work under the PHAI encompasses two projects: the Port Hope Project and the Port Granby Project. As part of each project, a Long-Term Waste Management Facility (LTWMF) has been constructed.
 - 2.6.3. Work involves but is not limited to the construction of waste management facilities, completion of survey and design work, excavation of LLW, transfer of wastes to waste management facilities, completion of site specific risk assessments, completion of remediation and restoration on residential, commercial, industrial, municipal and other sites, closure of the facilities and establishment of Passive Recreation Areas, and establishing required long-term monitoring and maintenance.
 - 2.6.4. CNL shall be responsible for addressing and carrying out activities to fulfill the long-term obligations of AECL and Canada, at AECL's request, including the required long-term operation, monitoring, and maintenance of AECL's facilities.
 - 2.6.5. CNL shall be responsible for the Property Value Protection Program and the Municipal Tax Revenue Loss Program (as such terms are defined in the Legal Agreement) and any other programs required by the Legal Agreement or by AECL.
 - 2.6.6. CNL shall sustain and pursue opportunities for strengthening the existing relationships with the PHAI municipalities, Indigenous Nations and communities, stakeholders and the public.
 - 2.6.7. CNL shall complete phase 2 (active remediation and Closure) work as part of the Port Hope Project. It is expected that as of the Commencement Date, there will be ongoing work to complete remediation of the harbour front, private and municipal properties (known as small-scale sites) and management and operation of the Port Hope LTWMF. Once completed and the facility closed and capped, CNL shall be responsible for transitioning and implementing phase 3 (Long Term Care).
 - 2.6.8. CNL shall continue the implementation/execution of phase 3 (Long Term Care) at the Port Granby Project, including the ongoing long-term monitoring and maintenance of the Port Granby LTWMF, operation of the waste water treatment plant, and its eventual decommissioning.

2.7. Low Level Radioactive Waste Management Office (LLRWMO)

- 2.7.1. Through the LLRWMO, CNL is responsible for managing and reducing Historic LLW liabilities on behalf of AECL in compliance with any applicable Governmental Authority requirements.
- 2.7.2. CNL shall perform environmental remediation at sites contaminated with Historic LLW and/or uranium ore contamination, at AECL's request, and as per Accepted Plans.
- 2.7.3. As of the Commencement Date, it is expected that there will be work ongoing as part of the Northern Transportation Route and in certain areas of the Greater Toronto Area. It is expected these scopes of work will be fully remediated and complete during the contract period.
- 2.7.4. CNL shall work with Indigenous Nations and communities in developing its remediation plans as part of the Northern Transportation Route, including consideration for integrating Indigenous Knowledge, building capacity, and enabling jobs and economic opportunities for Indigenous Nations and communities. CNL shall consider any obligations of the Government of Canada as part of applicable Modern Treaties, Comprehensive Land Claim Agreements, Self Government Agreements and any other applicable agreements with Indigenous Nations and communities.
- 2.7.5. CNL shall collect and take charge of historic artefacts and other historic radioactive materials at AECL's request.

2.8. Douglas Point Prototype Reactor Site

- 2.8.1. CNL shall engage Bruce Power, Ontario Power Generation, other site stakeholders, local communities and Indigenous Nations and communities to achieve cost-effective decommissioning of the Douglas Point Prototype Reactor Site and to propose options for doing so to AECL for its consideration. Any options are subject to the acceptance of AECL.
- 2.8.2. CNL shall seek the optimal, most cost-effective way(s) of executing decommissioning of this site in a safe manner.

2.9. Gentilly-1 Prototype Reactor Site

- 2.9.1. CNL shall engage Hydro-Québec, other site stakeholders, local communities and Indigenous Nations and communities to explore opportunities to achieve cost-effective decommissioning and remaining DWM activities to achieve decommissioning of the Gentilly-1 Prototype Reactor Site and to propose options for doing so to AECL for consideration. Any options are subject to the acceptance of AECL.
- 2.9.2. CNL shall seek the optimal, most cost-effective way(s) of executing decommissioning of this site in a safe manner.

2.10. La Prade Heavy Water Storage Facility

- 2.10.1. CNL shall operate the La Prade Heavy Water Storage Facility, which is located near the Gentilly-1 Prototype Reactor.
- 2.10.2. CNL shall consider best use of the facility and present any change in use to AECL for acceptance.

3. CHALK RIVER REVITALIZATION (CAPITAL)

3.1. General

- 3.1.1. CNL shall manage, operate, protect, maintain and enhance the CNL's ability to function as a multi-Mission organization, assure right-sized and adequate infrastructure that considers current and future requirements and provide support activities for the accomplishment of the Work.
- 3.1.2. CNL shall coordinate and integrate site development and infrastructure activities with those of the DWM and S&T Missions to ensure the most effective, efficient and appropriate use of supporting infrastructure.
- 3.1.3. CNL shall integrate the concept of continuous improvement into all Work performed in supporting DWM and S&T Missions and continuously challenge practices and policies that do not provide a favorable cost-benefit return to those Missions.

3.2. Planning

- 3.2.1. CNL shall maintain performance baselines and forecasts, as it relates to Capital activities, with appropriate governance such that plans, including the APWB and 10-Year Plan, may be updated as required or as directed by AECL. These performance baselines will provide an appropriate level of detail as it relates to cost, schedule and risk to support performance reporting and forward-looking planning, including funding requirements. As part of planning activities, CNL shall prioritize capital improvement requirements, taking into account AECL's and the Government of Canada's fiscal considerations. The culmination of planning for site development and investment activities will be maintain in the Site Master Plan.
 - 3.2.1.1. CNL shall leverage the asset management program and plans, complete with building and infrastructure assessments, to support prioritization of capital investments and development of the Site Master Plan.
 - 3.2.1.2. CNL shall work closely with site maintenance and asset management groups to ensure the Accepted Plans and Site Master Plan consider all aspects of maintaining and improving the AECL Facilities and Assets and that all relevant information is considered prior to making investments.
 - 3.2.1.3. In developing and implementing Accepted Plans, CNL shall ensure that the necessary capabilities are available to keep the development of the Facilities and

Assets current with AECL's needs and to allow CNL to successfully deliver the Work.

- 3.2.1.4. Through the Accepted Plans and Site Master Plan CNL will seek to: (1) improve the condition and reliability of AECL's operating Facilities and Assets in a prioritized manner; (2) right size the physical footprint of AECL's operating Facilities and Assets; (3) maximize the effectiveness of the S&T Mission; and (4) ensure the transfer of unnecessary Facilities and Assets to the DWM program, as appropriate. In this optimization, CNL shall seek to contain and reduce the cost of maintenance of aged facilities at AECL's Sites.
- 3.2.1.5. Individual capital investments will be subject to appropriate governance via gating & sanctioning and subject to AECL approval commensurate with the project's level of risk, complexity and cost.
- 3.2.1.6. CNL shall have in place an environmental, social and governance (ESG) sustainability strategy which is aligned with AECL's Sustainability Strategy. Proposed capital investments should be aligned with the strategy.
- 3.2.1.6. The Site Master Plan will be updated as needed or as required by AECL.
- 3.3. Site Development & Investment
 - 3.3.1. CNL shall implement the approved capital investments in an efficient manner, leveraging the supply chain, internal resources and project management capabilities to ensure effective delivery that is on time and on budget.
 - 3.3.2. CNL will be responsible for project development including consideration of:
 - (a) Health, Safety, Security, Environment and Quality Assurance/Control.
 - (b) Regulatory compliance.
 - (c) Alignment with overall asset management plans and priorities.
 - (d) Constraints and opportunities related to site logistics and coordination.
 - (e) Baseline development, including documentation supporting scope, cost, schedule and risks.
 - 3.3.3. CNL shall be responsible for project delivery and performance of site development and investment activities, with performance monitored via the project management system.
 - 3.3.4. CNL will perform project design and construction management, including but not limited to: design and risk analysis, value engineering, configuration management and control, conceptual designs, preliminary designs, material testing, and surveying in support of architectural and engineering designs; final designs and construction drawings; and as-built drawings pursuant to construction inspections, surveying, and material-testing services for all activities that support AECL and other customer needs. All of the above shall be done in accordance with the obligations of site and facility license requirements.

- 3.3.6. CNL shall provide the skills necessary to incorporate the appropriate safety and quality level requirements for all facilities up to and including nuclear facilities, while meeting project cost and time constraints and milestones.
- 3.3.5. Site Development & Investment scope of significant priority during this contract period includes, but is not limited to:
 - (a) Construction completion and commissioning of the Advanced Nuclear Materials Research Centre
 - (b) Replacement of electrical transformer station (switchyard), feeds and distribution lines where required
 - (c) Improved facility condition of CNL's keeper facilities where required with a specific focus on strategic science and technology facilities
 - (d) Improvement or replacement of site heating infrastructure where required
 - (e) A replacement solution for active liquid waste management
 - (f) Maintaining information technology capabilities
 - (g) Maintaining renewal of strategic equipment where required

4. GENERAL SERVICES

4.1. Corporate Services

CNL shall perform integrated long-range planning and manage and administer comprehensive enterprise business systems and internal controls for all business and administrative operations necessary to operate CNL, based on sound management practices and good industry practice, and in compliance with all applicable regulatory requirements. This shall include integrating common systems of internal controls across CNL and implementing business processes that are risk-based, cross-functional, cost effective, optimize and streamline operations, increase efficiency and enhance productivity.

4.1.1. Human Resources

- 4.1.1.1. In carrying out the work under this SOW, CNL shall be responsible for the employment or contracting of all personnel engaged by CNL in the work hereunder.
- 4.1.1.2. CNL shall maintain human resources management system(s) and processes to attract, retain and develop a highly qualified workforce and promote workforce diversity (including increasing representation from under-represented groups and Indigenous employees).
- 4.1.1.3. CNL shall establish and/or maintain an integrated workforce planning system across the enterprise to determine the number and types of employees required to competently perform its mission and function areas. Planning shall occur on a multi-year basis and feed annual plans for recruitment, retention, and development. The plan shall be updated on an annual basis.

- 4.1.1.3.1. CNL shall present to AECL any significant number of new hires (including those that happen over time in the aggregate), or workforce reductions, and the implications and liabilities associated with those prior to significant decisions or announcements being made.
- 4.1.1.4. CNL shall manage specific initiatives aimed at workforce transformation, culture, and any associated change management resulting from the integrated workforce planning system, associated annual plans, operational requirements and the needs of each of the Missions.
- 4.1.1.5. CNL shall be responsible for all employment matters, including, but not limited to: compensation, pension and benefit arrangements, collective bargaining negotiations and the signing of all agreements.
 - 4.1.1.5.1. CNL will present to AECL their negotiating mandate, including affordability and other considerations, prior to finalizing bargaining agreements.
- 4.1.1.6. CNL shall conduct all activities in compliance with collective labour agreements governing the CNL staff.
- 4.1.1.7. CNL shall develop and maintain HR planning documents that highlight areas identified by AECL as important to Canada, align with CNL's Primary Missions and sustain the long-term capabilities of the nuclear laboratories. The HR planning documents will be reviewed with AECL at least annually for alignment with the Primary Missions and priority areas. The HR planning documents will include elements on recruitment, total compensation and benefits, collective bargaining, training and development, succession planning, and workplace inclusion and diversity. The plans will also identify any adjustments needed to optimize the workforce necessary to fulfill the Primary Missions.
- 4.1.1.8. CNL shall conduct comprehensive pre-employment screening(s) as part of its talent acquisition planning and processes.
- 4.1.1.9. CNL shall implement a training and qualification program including: general training and orientation; employee development; educational and professional advancement; regulatory and facilities-specific training and qualification; and training related to succession planning.
- 4.1.1.10. CNL training and qualification program(s) shall be an element of CNL's integrated safety management process and include the HSSE safeguards and security aspects of job and position responsibilities. CNL shall ensure the continuing involvement by senior management in directing and evaluating the training and qualification program.
- 4.1.1.11. For sites where CNL is working towards Closure, CNL shall develop and implement a workforce transition program for all Employees in advance of the termination of the DWM activities at the sites. This transition program shall be structured to support Employee retention at the sites while work is ongoing to complete the

execution of the Work and to assist in the transition of Employees to new employment as the Work is completed.

- 4.1.2. Program/Project Management Office
 - 4.1.2.1. CNL shall drive excellence in project management performance through the effective use of a Project Management System and Earned Value Management System (EVMS) that is consistent with Good Industry Practices across all CNL's programs and operations to deliver projects on schedule, within budget, and enabling mission performance. CNL will utilize EVMS across the enterprise, providing reliable data for management of the various projects and sites. The Project Management System will include forecasts (Estimates at Completion) for all projects.
 - 4.1.2.2. CNL shall maintain the appropriate capabilities to develop, implement and monitor projects, including sufficient and effective project planning and project management resources. CNL shall demonstrate a robust quality assurance process is in place, both in project planning and execution, to increase the likelihood of successful outcomes.
 - 4.1.2.3. CNL shall maintain insightful performance reporting that succinctly and efficiently captures project performance as it relates to cost, schedule, risk, milestone performance and forecasts.
 - 4.1.2.4. CNL shall manage and monitor all projects, on a graded approach, to ensure on time and within cost completion to planned requirements.
 - 4.1.2.5. CNL shall implement Good Industry Practices for managing and providing general oversight of contractors selected to perform any major projects, including any design-build contracts. This includes ensuring appropriate contractor safety practices.

4.1.3. Corporate Planning

- 4.1.3.1. CNL shall maintain project baselines and forecasts such that short and long-term planning exercises can be efficiently executed.
- 4.1.3.2 CNL will be responsible for the development of the APWB and 10-Year Plan, and any other planning needs, as required. These planning exercises will be integrated across all functions of the organization and consider scope, cost, schedule, risk as well as human resource and supply chain constraints. These plans will be subject to AECL acceptance.
- 4.1.3.3. Separately, CNL shall maintain a CNL Strategy as a public facing document that outlines the direction of the organization, and update it as required.
- 4.1.3.4. CNL shall maintain business intelligence systems and reporting such that performance can be monitored against plans on a cost, schedule and milestone basis, and to ensure funding compliance.

- 4.1.3.5. In consideration of proposed and accepted scopes of work, CNL will consider immediate and long-term funding compliance constraints, human resource and supply chain requirements, significant risks or opportunities to cost or schedule and impacts as they relate to long-term expected outcomes.
- 4.1.3.6. CNL shall have in place an environmental, social and governance (ESG) sustainability strategy which is aligned with AECL's Sustainability Strategy. CNL shall update this strategy on a regular basis, and report on its progress on an as needed basis.
- 4.1.4. Information Management and Technology
 - 4.1.4.1. CNL shall maintain, and replace as required, the necessary information and operational systems for technical programs, organizational, business, legal and operations functions and for activities including general purpose programming, data collection, data processing, report generation, software, electronic and telephone communications, subject to the classified information requirements contained elsewhere in the CNL Agreement.
 - 4.1.4.2. CNL shall provide computer resource capacity and capability sufficient to support:
 (1) CNL-wide information management requirements; and (2) CNL-wide classified computing infrastructure.
 - 4.1.4.3. CNL shall, with AECL acceptance as part of the ABWB or other relevant work plan, standardize non-scientific software and hardware programs/platforms within CNL for generating and storing electronic information.
 - 4.1.4.4. CNL shall maintain an appropriate cyber security posture, consistent with Good Industry Practice, to prevent a cyber security breach and/or an information security incident.
 - 4.1.4.5. CNL shall maintain appropriate record keeping practices and facilities that meet all of the necessary record keeping needs of CNL and AECL.
- 4.1.5. Supply Chain Management
 - 4.1.5.1. CNL shall identify opportunities to maximize the benefits for Canada, including seeking delivery effectiveness and cost efficiencies, by using subcontractors in meeting the obligations of this SOW.
 - 4.1.5.2. CNL shall develop well defined statements of work when subcontracting portions of this SOW that seek efficiencies in subcontracted program execution and seek to promote/develop a capable nuclear supply chain industry in Canada.
 - 4.1.5.3. CNL shall maximize the cost effectiveness of managing its workforce vs. enhanced subcontracting practices in achieving the overall objectives of this SOW which include ensuring the long-term capabilities of CNL.
 - 4.1.5.4. CNL will be permitted to subcontract obligations under the CNL Agreement to other Persons (including affiliates of CNL and the Contractor), subject to certain

standards and conditions relating thereto that may be specified in the CNL Agreement in order to address actual or potential conflicts of interest, with the intention of ensuring that all subcontracts appropriately reflect Canada's economic interests. For example, it is anticipated that such standards and conditions will include a requirement that CNL develop and maintain formalized procurement policies, practices and procedures that will result in fair, open and competitive procurement processes. In addition, with any proposed subcontract with an affiliate or that is a sole source, in either case involving payments above a specified monetary threshold, the terms of the subcontract will be subject to AECL's prior consent. All procurements will be subject to varying levels of oversight by AECL from time to time.

- 4.1.5.5. CNL shall have in place an Indigenous procurement strategy that aims at reducing barriers to procurement opportunities and enhance economic outcomes for Indigenous Peoples. The Indigenous procurement strategy should be developed and/or updated in partnership with Indigenous Nations and communities with which CNL engages, and aligned with any commitments made by CNL to Indigenous Nations and communities either through agreements or other mechanisms. Specific targets and set-asides for Indigenous procurements that are meaningful shall be included in the Indigenous procurement strategy and updated from time to time based on evolving market availability.
- 4.1.5.6. CNL shall implement Good Industry Practices for subcontractor selection and management practices.
- 4.1.5.7. CNL shall deploy Good Industry Practices regarding supply chain management in its system planning and execution.
- 4.1.5.8. CNL shall maintain an approved purchasing system to provide purchasing support and subcontract administration.
- 4.1.5.9. CNL shall deploy Good Industry Practices regarding vendor management to ensure the compliant delivery of purchased products, goods and services at the requested quality standards.
- 4.1.6. Finance
 - 4.1.6.1. CNL shall maintain a financial management system that provides sound financial stewardship and accountability. The overall system shall: be suitable to collect, record, and report all financial activities; include a budgeting system for the formulation and execution of all resource requirements; include a disbursements system for employee payroll and supplier payments; and contain an effective internal control system for all expenditures.
 - 4.1.6.2. CNL shall ensure the financial system remains integrated with performance monitoring systems (earned value management systems) and any other required business intelligence systems.

4.1.7. Legal and Compliance

- 4.1.7.1. CNL shall maintain a legal program to support CNL activities including, but not limited to, those related to: use of AECL patents, licenses, and other intellectual property rights; subcontracts; technology transfer; environmental compliance and protection; labour relations; Indigenous engagement; and litigation and claims.
- 4.1.7.2. CNL shall maintain a compliance program that ensures appropriate compliance with, but not limited to: ethics and business conduct; export and import requirements (trade agreements); intellectual property operations; and insurance.
- 4.1.7.3. To have an effective compliance and ethics program CNL will exercise due diligence and maintain standards and procedures to prevent and detect criminal conduct and otherwise promote an organization culture that encourages ethical conduct and a commitment to compliance with the law.
- 4.1.7.4 CNL shall establish an audit program which provides capabilities for both internal and subcontracted audits and supports external audits, reviews, and appraisals, including those from AECL.

4.1.8. Property Management

- 4.1.8.1. CNL shall have an approved management system for overall integrated planning, acquisition, maintenance, operation, control, accountability, utilization, and disposal of AECL-owned property.
- 4.1.8.2. CNL shall manage real property, including facilities and infrastructure, both leased and acquired, to perform assigned mission work to meet the short-term and long-term objectives of this SOW at lower net cost to AECL.
- 4.1.8.3. Real property management shall include providing appropriate office space for AECL and the CNSC, as requested by AECL.
- 4.1.8.4. CNL shall perform overall integrated planning, acquisition, maintenance, operation, management and disposition of the CNL-managed real property and CNL-leased facilities and infrastructure used by CNL. While performing this responsibility, CNL shall align its actions with the development and approval of the Site Master Plan.
- 4.1.8.5. CNL shall use a performance-based approach to real property life-cycle asset management to perform overall integrated planning, acquisition, upgrades, and management of owned, leased or controlled facilities and real property accountable to CNL. CNL shall employ leading facilities management practices that are integrated with mission assignments and business operations.

4.1.9. Asset Management

4.1.9.1. CNL will develop and maintain asset information to support strategic investment decisions with the aim to ensure AECL assets are optimized, with minimal time at risk, to ensure Mission activities are fulfilled through the lifecycle of assets.

- 4.1.9.2. CNL will maintain a prioritized list of investments, based on inputs such as building and infrastructure condition assessments and investment impact on desired outcomes. This prioritized list of investments will use to inform capital investments.
- 4.2. Health, Safety, Security and Environment (HSSE)
 - 4.2.1. General HSSE
 - 4.2.1.1. CNL shall conduct a Health, Safety, Security and Environment program, including environmental protection and compliance, and safety and health management that (1) achieves an institutionalized HSSE conscious culture that embraces conduct of operations and allows work to be performed safely, (2) assigns unambiguous roles, responsibilities, authorities, develops appropriate work controls and ensures accountability for the performance of work in a manner that ensures protection of workers, the public and the environment, (3) integrates excellence in HSSE into all CNL activities, and (4) meets all applicable laws and regulations.
 - 4.2.1.2. CNL shall take necessary actions to prevent serious injuries and/or fatalities, keep worker exposure and environmental releases below established limits, minimize the generation of waste, and maintain or increase protection to the environment, public and worker safety and health.
 - 4.2.1.2. To ensure the safe performance of all CNL work, CNL shall maintain a Contractor Assurance System that establishes integrated safety management and sound HSSE management processes as well as formal work control and work performance processes. The Contractor Assurance System and program of processes shall be comprehensive in nature, covering all work performed under this SOW.
 - 4.2.1.3. CNL shall ensure that the implementation of the Contractor Assurance System addresses nuclear safety requirements including, but not limited to: (1) a robust safety authorization basis process, (2) system engineering and configuration management of structures, systems and components important to safety, (3) quality assurance, (4) stabilization and disposition of used fuel and nuclear materials, and (5) startup and restart of nuclear facilities.
 - 4.2.1.4. CNL shall have in place an HSSE performance measurement program that ensures comprehensive gathering of operational data, adequate causal analysis, risk analysis, trending, comparison to metrics, includes leading and lagging indicators, dissemination of operational data, and measures both worker and subcontractor performance.
 - 4.2.1.5. CNL shall perform timely HSSE occurrence/event investigation ensuring that root cause analysis is performed, corrective actions address the systemic problems identified at CNL, and use a lessons learned program to implement improvements to CNL's operations.

- 4.2.1.6. CNL shall provide oversight of contractual HSSE standards and requirements appropriate to subcontractors and other entities performing work at CNL.
- 4.2.2. Security
 - 4.2.2.1. As required to comply with regulatory and licence requirements, CNL shall have in place a safeguards and security program. This program fosters an institutionalized security conscious culture that performs work securely and assigns unambiguous roles, responsibilities, authorities, and accountability while integrating excellence in safeguards and security into all CNL activities. The safeguards and security program includes, but may not be limited to: physical security; protection of the CNL-managed property; classification, declassification and protection of information; cyber security; nuclear materials protection, control and accountability; and, personnel security including access control for CNL staff and visitors.
 - 4.2.2.2. CNL shall support Canada's overarching security initiatives including safeguards and security technology deployment efforts as directed by AECL.
 - 4.2.2.3. CNL shall consider in its site planning the cost implications of the safeguards and security programs and optimize the programs to reflect regulatory requirements and the nature, scope, and scale of the operations conducted by CNL.
 - 4.2.2.4. CNL shall maintain, train, test, equip and deploy a nuclear response force at the CNL-managed sites.
 - 4.2.2.5. CNL shall provide any support requested by AECL in relation to the issuance of security clearances.

4.2.3. Fire Protection

4.2.3.1. CNL shall maintain capabilities in fire protection that include emergency response, fire engineering compliance, oversight and verification of fire systems inspection, testing and maintenance. CNL shall maintain compliance with site licence requirements at all times.

4.2.4. Emergency Preparedness

4.2.4.1. CNL shall have in place an emergency management program to include: (1) emergency preparedness plans and procedures to support safety and an appropriate response in emergencies; (2) an occurrence notification and reporting system; (3) operation of an Emergency Operations Center and emergency response capabilities for local, provincial, and national missions; (4) a Radiological Assistance Program; and (5) support to the Nuclear Emergency Support Team and Accident Response Group in the areas of nuclear expertise and surety, environment, safety and health, waste management, transportation and other areas requiring specialized planning, training, and responses to nuclear accidents or incidents.

- 4.2.4.2. CNL shall have on site at all times a sufficient number of qualified staff for both normal operation and to respond to accident and emergency conditions.
- 4.2.4.3. As required to comply with regulatory and licence requirements, CNL shall develop, implement and maintain a comprehensive set of emergency operating procedures for accidents, and guidelines for severe accident management.
- 4.2.4.4. CNL shall provide all necessary support to AECL's responsibilities under the Federal Nuclear Emergency Plan (including administrative work, exercises, and with any other needs), and shall cooperate with AECL to establish/maintain a protocol to set out respective roles, responsibilities, processes, procedures protocols and expectations related to Federal Nuclear Emergency Plan.
- 4.2.5. Occupational Health & Safety
 - 4.2.5.1. CNL shall have in place a comprehensive occupational health and safety program to prevent accidents and injuries at CNL-managed sites.
- 4.2.6. Environmental and Cultural Protection
 - 4.2.6.1. CNL shall have in place a comprehensive environmental protection program that integrates environmental protection into all of CNL's activities and aims at pollution prevention and responsible environmental management.
 - 4.2.6.2. The environmental protection program shall meet all regulatory requirements for CNL's sites as well as ISO 14001 certification requirements, for the sites where CNL has received this certification.
 - 4.2.6.3. CNL shall continue all environmental monitoring activities at its sites, and consider the integration of Indigenous Knowledge into its activities. CNL shall facilitate the work of Indigenous monitors (e.g. from Guardian Programs) based on existing and any new agreements and/or commitments made by CNL to Indigenous Nations and communities.
 - 4.2.6.4. CNL shall communicate the results of its environmental monitoring activities with the public, stakeholders and Indigenous communities.
 - 4.2.6.5. CNL shall implement an environmental management system (environmental monitoring, waste minimization, pollution prevention, etc.) within the Contractor Assurance System.
 - 4.2.6.6. CNL shall, as appropriate, conduct natural and cultural resource compliance and protection programs including: monitoring, surveillance, and reporting with respect to all natural and cultural resources; obtaining and maintaining required permits and licences from regulatory agencies; and, applicable certification and training programs. CNL shall work with Indigenous Nations and communities to integrate Indigenous Knowledge into these programs.
- 4.2.7. Radiation Protection

4.2.7.1. CNL shall maintain a radiation protection program to ensure the health and safety of workers, the public and the environment. This program shall be optimized to reflect regulatory requirements and the nature, scope, and scale of the operations conducted by CNL.

4.3. Site Operations

- 4.3.1. General Site Operations
 - 4.3.1.1. CNL shall ensure that all of the AECL Resources are maintained in accordance with the provisions of the CNL Agreement.
 - 4.3.1.2. CNL shall ensure the provision of site services such as energy management, site utilities, utilities distribution, site maintenance and logistics in a manner as to ensure the safety of personnel and to enable performance of the Work.
 - 4.3.1.3. CNL shall manage, operate and maintain in good repair and condition all real property, buildings, landscaping, forestry, roadways, equipment and other physical assets necessary to perform the activities of this SOW, including environmental management services, energy, utility services and site infrastructure maintenance.
 - 4.3.1.4. CNL shall ensure that the maintenance management program is based on Good Industry Practices to maintain property in a manner which: (1) promotes and continuously improves nuclear safety, operational safety, environmental protection and compliance, property preservation and cost effectiveness, (2) ensures continuity and reliability of operations, fulfillment of program requirements and protection of life and property from potential hazards, and (3) ensures the condition of all assets will be maintained, or will continuously improve where necessary for the ongoing delivery of the mandate, over the period of performance.
 - 4.3.1.5. CNL shall manage the provision of site services such as food, laundry, transportation, fleet management, stores, and shipping and handling in an efficient and cost-effective manner.
- 4.3.2. Nuclear Site Operations
 - 4.3.2.1. CNL shall maintain nuclear safety as the overriding priority.
 - 4.3.2.2. CNL shall oversee, manage, operate and maintain all the nuclear facilities in compliance with regulatory and licence requirements.
 - 4.3.2.3. CNL shall ensure that nuclear materials are managed and transported safely, minimizing risk to nuclear workers, the environment, and the public.
 - 4.3.2.4. In managing these facilities, CNL shall review buildings and operations maintained in a storage with surveillance or maintenance and surveillance condition for opportunities to decommission and reduce cost of operations.

- 4.3.4. Central Technical Authority
 - 4.3.4.1. CNL shall maintain a regulatory compliance and affairs program that:
 - (a) Includes company-wide standards, oversight, and support for all regulatory and licencing activities.
 - (b) Ensures that regulatory compliance requirements, and international safeguard obligations, are met for all handling, storage, transportation, and use of nuclear materials.
 - (c) Develops and maintains strategic licensing plans for each CNL-managed site.
 - (d) Interfaces with the Regulatory Authority and other Governmental Authorities on required aspects of CNL regulatory, permitting and licencing activities.
 - 4.3.4.3. CNL shall maintain a quality assurance and quality management program that enables the corporation to provide effective and efficient product delivery in full compliance with statutory, regulatory, and customer requirements through the provision of quality services.
 - 4.3.4.4. CNL shall maintain access to engineering capabilities to manage CNL engineering activities, including but not limited to:
 - (a) Ensuring safe boundaries of operations are established and aligned with national and international standards, including regulatory requirements.
 - (b) Supporting the safe design, commissioning and operation of CNL-managed facilities.
 - (c) Providing nuclear criticality safety support to CNL projects.

4.4. Information Access, Audits and Assessments

- 4.4.1. CNL shall provide any requested information and access to AECL and support any requested audit by AECL, as may be required for AECL to assess compliance with all responsibilities and obligations of CNL set out in the CNL Agreement including any financial, operational, legal or any other aspect of conduct of the work described in this SOW.
- 4.4.2. CNL shall retain all the records necessary for AECL to assess compliance with the CNL Agreement and to enable CNL to maintain the management and operations of CNL beyond the duration of the CNL Agreement.
- 4.4.3. CNL shall maintain a robust cyber security program that minimizes the threats to CNL operation and that does not compromise critical business or personnel information.

4.5. Self-Assessment Program

4.5.1 CNL shall conduct a self-assessment program that will be used, in part, to assess: (1) the overall performance in operating and administrating CNL, (2) delivery of DWM work, (3) performance related to science and technology programs, and (4) delivery of capital projects.

- 4.6. Other Administrative Services
 - 4.6.1. CNL shall provide other administrative services, including: operating communications systems; managing and operating a records management system; and operating a system of records for individuals including those related to personnel radiation exposure information, medical, safety and health. Logistics support to AECL Site Office can be provided when approved by the Contracting Officer.
- 4.7. Reports and Other Deliverables
 - 4.7.1. CNL shall prepare, submit, disseminate, or otherwise publish the financial, schedule, scientific, or technical documentation including plans, performance reports, or other information and deliverables consistent with the needs of the various programmatic sponsors and other customers as required by the CNL Agreement, and/or as specifically required by AECL.

6. INDIGENOUS ENGAGEMENT, COMMUNICATIONS, PUBLIC AFFAIRS, AND COMMUNITY ENGAGEMENT

6.1. Indigenous Engagement and Reconciliation

It is a priority of AECL and CNL to build collaborative relationships with Indigenous Peoples based on recognition of rights, respect, truth, cooperation, trust, and partnership. All CNL activities in this area shall be done in collaboration with AECL to ensure alignment, coordination and best use of resources.

- 6.1.1. CNL shall continue to strengthen relationships with Indigenous peoples based on meaningful engagement, finding sustainable long-term benefits from economic development, and opportunities for collaboration.
- 6.1.2. CNL shall have in place a Reconciliation Action Plan that outlines CNL's commitment to reconciliation and specific areas of action. The Reconciliation Action Plan shall be developed and/or updated with Indigenous Nations and communities.
- 6.1.3. CNL shall enhance staff and management knowledge and understanding about the history of Indigenous Peoples and participation in Indigenous celebration and/or commemoration events.
- 6.1.4. CNL shall work with Indigenous Nations and communities to find opportunities to increase representation of Indigenous employees, including in management positions.
- 6.1.5. CNL shall develop and update annually an Indigenous Engagement Plan for each of the main sites it manages.
- 6.2. Communications and Public Affairs
 - 6.2.1. In coordination with and approval of AECL, CNL shall develop and conduct communications, information dissemination, public involvement, and public affairs

programs including: internal and external communications; community involvement and outreach; interactions with the media, businesses, and the scientific and technical community; and liaison with local, provincial, and federal levels of government, with a view to enhancing the benefits of CNL to its host communities and Canada.

- 6.2.2. CNL shall develop initiatives to bring benefits to the host communities, including, participation in community initiatives and events, as well as community and local development.
- 6.2.3. For any projects at the Sites that require regulatory approval, CNL shall establish a proactive community engagement and communication program to facilitate CNL's ability to engage local communities and move forward with any proposed initiatives. The program shall be supported by a plan, updated annually and submitted to AECL for acceptance.
- 6.2.4. CNL shall have in place communications and public affairs strategies for each of the sites it manages, unless otherwise accepted by AECL. Such strategies shall be updated on an annual basis and submitted to AECL for acceptance.
- 6.2.5. For all aspects of communications, stakeholder engagement and community engagement, CNL shall work with AECL to coordinate communications and relations activities to align the consistency and intention of the messaging.
- 6.2.6. CNL shall offer external communication products and information on its website(s) in both official languages.
- 6.2.7. CNL shall manage a nuclear artefacts program that considers the need to preserve and showcase Canada's nuclear history broadly and AECL's history (and artefacts) in particular in a reasonable and cost-effective manner. The program shall include consideration for interaction with other organizations and stakeholders with similar goals, and consider specific strategies to link to the DWM mission. Considerations for memory preservation and communication with the local communities for Closure sites shall be included in CNL's communications and public affairs strategies for those sites.

6.3. Community Engagement at Closure Sites

- 6.3.1. At the Whiteshell Laboratories site, CNL shall develop economic development initiatives in the local area to help mitigate the impacts of the site Closure to the community.
- 6.3.2. At Sites where CNL is working towards Closure, CNL shall have in place a community and Indigenous engagement program to define end states, and evaluating potential for next land uses that take into account local communities', and Indigenous Nations and communities' input, and local economic development, as applicable. Any plans for future land uses shall be developed with, and ultimately accepted by, AECL as the landowner.
- 6.3.3. At the Whiteshell Laboratories site, CNL shall work with the community and AECL to develop options for history preservation, and knowledge sharing with the community and the public on historical activities at the site, as well as clean-up activities. CNL shall

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develop a plan for ongoing communication of the history of the site beyond Closure, for consideration and approval by AECL.

GLOSSARY OF TERMS

Acceptance - Acceptance by AECL does not relieve CNL of its responsibility for defects or other failures to meet the requirements of the CNL Agreement.

Accepted Plans – Refers to the Accepted APWB and 10-year Plan.

AECL Resources – Refers to the Sites, the Facilities, the Assets and the Licensed Technology.

AECL Sites – Refers to the sites described in this SOW, and may include any other sites as identified by AECL.

Facilities and Assets – Refers to the tangible personal property of every description that is owned, leased or licensed by AECL, or in respect of which AECL has custodial or other rights and responsibilities, including:

- a) all machinery, equipment, fixtures, furniture, furnishings, parts, tooling molds, dies, jigs or patterns and other fixed assets;
- b) all computers, printers, servers and other tangible personal property that is included in the IMIT Infrastructure;
- c) all trucks, cars and other vehicles; and
- d) all inventories, including raw materials, work-in-process, finished goods and replacement parts,

in each case that is located at or dedicated to any of the Sites or is otherwise used primarily in connection with any of the services, operations, projects, tasks or other activities undertaken at or in respect of any of the Sites or any of the Facilities, and includes New Assets as and when acquired.

Authority Requirement – refers to any order, direction, directive, request for information, policy, administrative interpretation, guidelines, rule or standard of or by any Governmental Authority, in each case, which now or hereafter may be applicable to any of the Work, or any other relevant work, service, obligation, activity, person, property or asset (including any of the AECL Resources), including, for greater certainty, (i) regulatory documents, directives and procedures of the Regulatory Authority and any guarantee or other assurance required by the Regulatory Authority, and (ii) the Permits, Licences, Approvals and Agreements with or issued by any Governmental Authority.

Closure – Closure of a site encompasses all activities required to complete all DWM at the site in order to achieve interim and final End-State(s) and ultimately the Site-specific Release and Clean-up Criteria, including obtaining the required Permits, Licences, Approvals and Agreements for the Site. For the avoidance of doubt, the Closure of a site means that all DWM work is completed (i.e., only Long Term Care activities remain).

CNL Agreement – CNL Agreement refers, collectively, to the agreement that AECL is anticipated to enter into with CNL immediately following the execution of the Contract. The CNL Agreement will specify CNL's responsibilities with respect to the operations of AECL Sites and Assets.

Commencement Date – refers to the date that the CNL Agreement comes into effect.

Decommissioning – Decommissioning as used in this document generally applies to facilities and includes all man-made structures and includes the following activities:

- regulatory analysis and preparation of documents as required;
- deactivation (utilize isolation, re-routing of the utilities, removal of hold up materials, etc.);

- decontamination (characterization, hazardous material abatement activities, removal of equipment);
- decommissioning;
- disposition which also includes disposal, refurbishment, or demolition (demolishing manmade/components including building slabs and below-grade features within the immediate building footprint area) of structures/components; and
- securing all required regulatory approvals to achieve site closure or to place a site or facility in long term care and maintenance, as applicable.

Federal Interdepartmental Committee - A committee made up of Government of Canada officials who will be responsible for establishing the priorities for and scope of work to be performed by CNL under the Federal Nuclear S&T Work Plan.

Governmental Authority – refers to any federal, provincial, state, territorial, regional, municipal or local government or governmental authority, quasi-governmental authority, court, government or self-regulatory organization, commission, board, tribunal, organization, or any regulatory, administrative or other agency, including the Regulatory Authority, or any political or other subdivision, department, or branch of any of the foregoing, having legal jurisdiction in any way over the relevant work, activity or person, in each case to the extent it has or performs legislative, judicial, regulatory, administrative or other functions within its jurisdiction, but does not include AECL.

High-Level Waste (HLW) - Used (i.e., irradiated) nuclear fuel that has been declared as radioactive waste and/or is waste that generates significant heat (typically more than 2 kW/m3) via radioactive decay.

Historic LLW – LLW and/or uranium ore contamination for which the owner cannot reasonably be held responsible and for which the Government of Canada has accepted responsibility for its long-term management. AECL is responsible for the management of this Historic LLW on behalf of the Government of Canada.

IAEA – International Atomic Energy Agency.

Intermediate Level Waste (ILW) – Waste, as per IAEA safety standards, which exhibits levels of penetrating radiation sufficient to require shielding but needs little or no provision for heat dissipation during its handling and transportation. ILW generally contains long lived radionuclides in concentrations that require isolation and containment for periods greater than several hundred years (i.e., more than 300 to 500 years).

IPLA – The Intellectual Property Licence Agreement dated as of November 3, 2014 between AECL and CNL pursuant to which AECL granted to CNL certain licences in respect of the Licensed Technology described therein.

Legacy Wastes – Radioactive waste generated from past operations, shutdown buildings and infrastructure, and lands affected by past practices at AECL properties.

Legal Agreement – Refers to An Agreement for the Cleanup and the Long-Term Safe Management of Low-Level Radioactive Waste Situated in the Town of Port Hope, the Township of Hope and the Municipality of Clarington, as amended, available online at https://www.phai.ca/wp-content/uploads/Legal-Agreement_FINAL_2023.pdf.

Licensed Technology – means Licensed Technology as defined in the IPLA that is or may be required to be used in connection with the performance of any of the Work.

Long Term Care – The control of residual risks at a site after it has been decommissioned and all DWM requirements have been achieved. This control is either 'active' (e.g., involving mechanical systems or continuous or intermittent human intervention to monitor and control the risk) or 'passive' (e.g., the registration or posting of information that will provide a warning against the remaining hazards). The use of such Long Term care shall be justified to regulatory bodies and accepted.

Low Level Waste (LLW) – Waste, as per IAEA safety standards, with radionuclide content above established clearance levels and exemption quantities, but that generally has limited amounts of long-lived activity. LLW requires isolation and containment for periods of up to a few hundred years. LLW does not require significant shielding during handling and transportation.

Nuclear Waste Management Organization (NWMO)- The NWMO was established in 2002 in accordance with the *Nuclear Fuel Waste Act* to assume responsibility for long term management of Canada's used nuclear fuel, a small portion of which is AECL's.

Permits, Licences, Approvals and Agreements – means all permissions, consents, registrations, approvals, certificates, permits, licences, leases, agreements and authorizations to be obtained, performed or complied with by CNL or any CNL Party as required by Applicable Law in order to perform the obligations of CNL under this SOW and the CNL Agreement, and all necessary consents and agreements from and with any third parties, needed to perform any of the Work in accordance with the CNL Agreement.

Primary Missions – Refers to the DWM Mission, the S&T Mission and the Chalk River Revitalization Mission as described in this SOW (collectively the 'Primary Missions' and individually the 'Mission').

Regulatory Authority – refers to the Canadian Nuclear Safety Commission.

Site-specific Release and Clean-up Criteria – The criteria and specific End-States of any and all portions of an AECL site approved by the Regulatory Authority and other applicable Governmental Authorities which together comprise a basis to obtain the release of the whole site from regulatory control or the release of a portion of the site from regulatory control with the remaining portion to be maintained under the appropriate licence which could include Long Term Care provisions.

Waste Acceptance Criteria (WAC) - Quantitative or qualitative criteria, specified by the Waste Receiver, for the waste to be accepted for processing, storage or disposal at a Waste Management Facility. Waste acceptance criteria can include requirements concerning the waste form, packaging or restrictions on the activity concentration or the total activity of particular radionuclides (or types of radionuclide) in the waste.

Waste Management – All aspects of characterization, removal, segregation, treatment, storage, and disposal of all types of radioactive waste including mixed, LLW, ILW, HLW (used fuel), as defined by IAEA standards.

Work – refers to all of CNL's obligations under the CNL Agreement, including any of the services, operations, projects, tasks and other activities undertaken by CNL in the discharge of its obligations under this SOW or the other provisions of the CNL Agreement.