CARBON REDUCTION PLAN

ARETE HEALTH LIMITED

North Westgate House, West Square, Harlow, CM20 1YS

REGISTERED MANAGER / PERSON RESPONSIBLE

Olusola Olowookere

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1.0 EXECUTIVE SUMMARY

1.1 Overview

At Arete Health Limited, we recognize that healthcare providers have a crucial role to play in addressing the global climate crisis. As a dedicated healthcare provider committed to high-quality care, we understand the direct connection between environmental health and human health. The impacts of climate change, including heatwaves, flooding, and air pollution, are increasingly influencing Service User outcomes, especially for vulnerable groups like the elderly, those with respiratory conditions, and individuals with chronic illnesses.

Arete Health Limited is therefore dedicated to not only providing the best possible care but also safeguarding the future by reducing our environmental footprint. Through this Carbon Reduction Plan (CRP), Arete Health Limited is taking decisive steps toward reducing our greenhouse gas emissions, mitigating the impacts of climate change, and transitioning to a more sustainable healthcare model.

This commitment to carbon reduction aligns with both national and global climate action goals and underscores the importance of integrating sustainability into healthcare practices. Our actions are guided by a recognition that sustainability is not just about reducing emissions but also about creating a healthier, safer, and more resilient environment for the communities we serve.

As we work toward achieving these ambitious goals, we aim to not only meet regulatory standards but also become a model for other healthcare organizations in reducing carbon emissions. Through practical, actionable steps outlined in this plan, we will embed sustainability into our operations, processes, and care practices, ensuring that our healthcare services contribute positively to the environment while supporting the well-being of those in our care.

1.2 Objectives

Arete Health Limited' carbon reduction objectives are aligned with the UK's national climate policies, including the Net Zero Strategy and Climate Change Act 2008. These policies set out the country's commitment to reaching net-zero emissions by 2050, with binding targets to reduce carbon emissions at every level of society, from businesses to local communities.

To meet these ambitious goals and contribute to the UK's decarbonization efforts, Arete Health Limited has developed a comprehensive Carbon Reduction Plan (CRP) that focuses on achieving both short-term and long-term targets. Our objectives include:

1. **Achieve Net-Zero Emissions by 2050**:
    - As part of the UK's legally binding commitment under the Climate Change Act 2008, Arete Health Limited is committed to reducing our emissions to net-zero by 2050. This long-term goal is designed to help reduce the global temperature rise and mitigate the environmental impacts that climate change is having on healthcare delivery.
    - We aim to implement long-term sustainable solutions that will contribute to decarbonizing our entire operations, from energy consumption to waste management, procurement, and transportation.
2. **Immediate Short-Term Goals (Year 1–2)**:
    - 10% reduction in carbon emissions within the first two years of implementing this plan.

- Adoption of renewable energy sources for 30% of our total energy consumption**,** including the transition to green electricity providers and on-site renewable energy generation such as solar panels.
- 15% reduction in waste to landfill by improving waste segregation, recycling, and reusing materials wherever possible.

3. **Medium-Term Goals (Year 3–5)**:
    - Achieve a 25% reduction in carbon emissions over the next 3 to 5 years by improving energy efficiency in our healthcare facilities, adopting low-carbon technologies, and promoting green transport.
    - Ensure 50% of energy usage is derived from renewable sources, including energy-efficient heating, cooling, and lighting systems, in line with the UK's national climate strategy.
    - Reduce operational waste by 30% through the implementation of more sustainable waste management practices and the adoption of circular economy principles.
4. **Long-Term Goals (Year 6–10)**:
    - Achieve 50% reduction in carbon emissions across Arete Health Limited.
    - Move to 100% renewable energy across all facilities, ensuring all electricity, heating, and cooling systems are powered by green sources.
    - Attain zero waste to landfill by 2030, ensuring that every product, resource, and material is either recycled, composted, or reused within Arete Health Limited's supply chain.

1.3 CQC Compliance: Meeting Environmental Management Standards and Healthcare Sector Obligations

As a healthcare provider, compliance with CQC regulations is essential to maintaining high standards of care and ensuring the safety and well-being of Service Users. The Care Quality Commission (CQC) is the regulatory body responsible for monitoring and assessing the quality of health and social care services in England. One of the core areas of focus for the CQC is ensuring that healthcare providers minimize their environmental impact and implement effective environmental management practices.

CQC's Key Lines of Enquiry (KLOE) for healthcare providers include assessing how well organizations manage their environmental responsibilities, including the effective management of energy use, waste, water, and the reduction of carbon emissions. Compliance with these regulations ensures that we meet the CQC's standards for sustainability while continuing to deliver high-quality care to our Service Users.

To meet CQC environmental standards, Arete Health Limited has integrated carbon reduction measures directly into our day-to-day operations and care practices. The following actions demonstrate our commitment to ensuring CQC compliance through our carbon reduction efforts:

1. **Energy Management and Efficiency**: Arete Health Limited will implement energy-saving measures in all healthcare facilities, including upgrading to LED lighting, energy-efficient HVAC systems, and utilizing smart thermostats to control heating and cooling more effectively. These measures will reduce energy consumption, lower

emissions, and improve overall efficiency in line with CQC expectations for sustainable operational practices.

2. **Sustainable Waste Management**: Effective waste management is critical for minimizing environmental impact in healthcare. We will ensure compliance with CQC regulations on waste disposal by segregating and recycling waste, including clinical waste, paper, plastic, and e-waste. All waste management practices will be carried out in accordance with the Environmental Protection Act 1990 and other relevant healthcare waste regulations.

   Our target is to reduce waste to landfill by 15% in the first two years and continue to improve recycling rates in subsequent years.

3. **Sustainable Procurement Practices**: To align with CQC's expectation for sustainable resource use, Arete Health Limited will adopt a sustainable procurement policy that ensures all products and services procured meet environmental standards. We will prioritize suppliers with green certifications (e.g., ISO 14001), encourage the use of recyclable materials, and reduce the carbon footprint of products and services within our supply chain.

4. **Reducing Environmental Impacts of Transportation**: Our carbon reduction strategy also includes reducing emissions from our fleet of vehicles used to transport Service Users and deliver supplies. We will explore electric vehicle options and reduce fuel consumption through optimized scheduling, which will directly contribute to CQC's standards for sustainable practices in healthcare services.

5. **Staff Engagement and Training**: Arete Health Limited recognizes the importance of engaging staff in sustainability efforts. Through staff training programs**,** we will educate our employees about the significance of reducing environmental impacts and how they can contribute to achieving our carbon reduction goals. This will ensure that all staff members understand their role in meeting the CQC's environmental sustainability requirements and integrating carbon-reduction practices into their daily routines.

6. **Regular Audits and Reporting**: To maintain CQC compliance, we will conduct regular environmental audits to assess the effectiveness of our carbon reduction initiatives and ensure adherence to regulations. Progress will be reported transparently to the CQC and other regulatory bodies, demonstrating our commitment to continual improvement and accountability in our environmental practices.

2.0 ORGANIZATIONAL COMMITMENT TO CARBON REDUCTION

2.1 Leadership and Governance

Senior Leadership’s Role in Ensuring the CRP's Implementation

At Arete Health Limited, the commitment to carbon reduction begins at the top, with senior leadership playing a critical role in ensuring the successful implementation of the Carbon Reduction Plan (CRP). The senior leadership team is responsible for setting the overall direction for sustainability efforts within Arete Health Limited, ensuring alignment with both national climate goals and regulatory requirements.

The Chief Executive Officer (CEO) and Board of Directors will be accountable for ensuring that the CRP is integrated into Arete Health Limited's overall strategy and decision-making processes. They will provide the necessary resources, budget, and support for carbon reduction initiatives. Senior leaders will also act as key advocates for sustainability, promoting the plan both internally and externally to stakeholders, employees, Service Users, and the community.

The CEO and Board will oversee the following:

- Governance and Accountability: They will ensure that sustainability and carbon reduction goals are part of Arete Health Limited's long-term vision. They will monitor and review the performance of the CRP regularly and hold departments accountable for achieving carbon reduction targets.
- Strategic Oversight: Senior leadership will guide Arete Health Limited in achieving the carbon reduction objectives, ensuring that policies and actions align with government strategies such as the Net Zero Strategy and comply with regulatory requirements set by CQC and BEIS.
- Resource Allocation: The leadership team will allocate necessary resources (financial, technological, and human) for the successful implementation of carbon reduction initiatives across Arete Health Limited. This includes supporting the acquisition of renewable energy solutions, energy-efficient technologies, and sustainable waste management practices.

Roles and Responsibilities of Internal Teams or Officers Assigned to Carbon Reduction Efforts

In addition to senior leadership, it is essential to have dedicated internal teams or officers who are responsible for the day-to-day management of the CRP. This will ensure that the plan is executed effectively across all levels of Arete Health Limited. Key roles include:

1. Carbon Reduction Officer (CRO): The CRO will be responsible for the overall execution of the CRP, overseeing the carbon reduction strategies and ensuring that each department adheres to the targets and objectives set out in the plan. The CRO will report directly to the senior leadership team and provide regular updates on progress, challenges, and opportunities.
2. Sustainability Taskforce: A cross-departmental team will be established to support the CRO. This taskforce will consist of representatives from key departments, including healthcare services, facilities management, procurement, waste management, and IT. The team will work collaboratively to:
    - Develop and implement department-specific action plans.
    - Monitor progress against targets.
    - Conduct periodic assessments and audits to identify areas for improvement.
    - Ensure the integration of sustainability principles into daily operations.
3. Facilities and Operations Team: This team will be responsible for implementing energy efficiency measures, managing waste reduction and recycling, and ensuring that sustainable practices are followed in building operations, including heating, lighting, and ventilation systems.
4. Procurement Team: The procurement team will play a vital role in ensuring that all purchasing decisions, including medical supplies, office equipment, and services, align

with sustainability goals. This includes sourcing products from suppliers with green certifications and prioritizing sustainable materials.

5. Staff and Training Officers: It will be important for all employees to be trained in sustainability practices, especially in how their roles impact the carbon footprint of Arete Health Limited. Staff engagement will be managed by the training officers who will be responsible for organizing educational initiatives, workshops, and awareness campaigns focused on energy efficiency, waste management, and sustainable practices.

2.2 Policies and Frameworks

Alignment with BEIS and CQC Regulations and Policies

The CRP will be guided by the regulatory frameworks set out by BEIS (Department for Business, Energy & Industrial Strategy), CQC, and other national sustainability policies. Ensuring alignment with these standards will be a critical component of the plan's success. Specifically, our carbon reduction efforts will be designed to meet the following requirements:

1. BEIS Policies: The Department for Business, Energy & Industrial Strategy (BEIS) sets out the strategic direction for the UK's energy policy and carbon reduction targets. As such, our CRP will align with the Net Zero Strategy (published in 2020) and the Clean Growth Strategy, both of which outline the government's approach to decarbonizing energy systems, improving energy efficiency, and transitioning to a low-carbon economy.
    - We will adopt energy-saving initiatives, renewable energy solutions, and energy-efficient technologies as prescribed by BEIS guidelines, focusing on reducing our operational carbon footprint and complying with national emissions reduction targets.
    - Arete Health Limited will also engage in initiatives that support BEIS carbon budgets, ensuring that our emission reduction efforts align with legally mandated reductions over five-year periods.
2. CQC Regulations: The Care Quality Commission (CQC) is the regulatory body that oversees healthcare providers in England, ensuring that services are safe, effective, and environmentally sustainable. CQC regulations, specifically Regulation 16 (Assessment of Need for Care and Treatment) and Regulation 17 (Good Governance), require healthcare organizations to ensure that environmental sustainability is integrated into service delivery.
    - Regulation 16 emphasizes the importance of assessing the environmental impact of care delivery, which means that we must take into account energy consumption, waste generation, and other environmental factors when designing care plans for Service Users.
    - Regulation 17 focuses on governance and management systems. This regulation mandates that organizations demonstrate good governance, including the development and implementation of policies related to sustainability. The CRP aligns with Regulation 17 by ensuring that carbon reduction efforts are built into our governance structures, with clear oversight and accountability mechanisms in place.
3. Waste Management and Sustainable Procurement: To comply with BEIS guidelines and CQC regulations, Arete Health Limited will develop and implement robust

energy

efficiency measures, waste management strategies, and sustainable procurement practices:

- Energy Efficiency: We will implement energy-saving initiatives, such as the use of energy-efficient lighting and appliances, and encourage the use of low-carbon technologies across all operations.
- Waste Management: Our waste management policy will be aligned with both national regulations and best practices in environmental stewardship. We will ensure that we comply with CQC guidelines on waste disposal, which includes the safe handling and disposal of medical and non-medical waste, recycling, and minimizing waste sent to landfills.
- Sustainable Procurement: The procurement policy will prioritize suppliers that demonstrate a commitment to sustainability. This includes sourcing products with lower environmental footprints and prioritizing recyclable and biodegradable materials. We will also encourage our suppliers to adopt carbon reduction practices in their own operations.

Key Documents and References:

1. UK Climate Change Act 2008: This act sets out the UK's legal obligation to reduce greenhouse gas emissions to net-zero by 2050, guiding our long-term strategy for carbon reduction.
2. Net Zero Strategy (2020): The government's strategy to achieve net-zero emissions by 2050 and the specific actions required across sectors, including healthcare, to meet the 2050 target.
3. PPN 06/21: This Public Procurement Notice outlines the mandatory requirement for public sector organizations to produce carbon reduction plans as part of their procurement processes. The CRP will ensure that our carbon reduction efforts align with the procurement expectations of this policy.

3.0 CARBON EMISSIONS BASELINE AND MEASUREMENT

3.1 Current Emissions Inventory

To effectively reduce carbon emissions, it is essential to first understand the current state of emissions across Arete Health Limited. Establishing a carbon emissions baseline provides a reference point from which progress can be measured. This baseline will allow Arete Health Limited to assess where emissions are coming from and identify areas with the most significant potential for reduction.

Establishing the Baseline: Calculating Current Carbon Footprint

We will calculate our current carbon footprint by identifying and quantifying emissions across the three different scopes outlined by the Greenhouse Gas Protocol:

1. Scope 1: Direct Emissions**:** These are emissions that occur directly from sources owned or controlled by Arete Health Limited. Examples include:
    - Fuel consumption in company-owned vehicles used for Service User transport and logistics.
    - Natural gas usage for heating in healthcare facilities.

- On-site electricity generation (if applicable).

The carbon emissions from these activities will be calculated based on the amount of fuel or energy consumed, using appropriate emissions factors (such as those provided by Defra's GHG Conversion Factors and The Environment Agency (EA)).

2. Scope 2: Indirect Emissions from Purchased Electricity: These emissions occur as a result of Arete Health Limited's consumption of electricity, steam, heating, and cooling purchased from external suppliers. While Arete Health Limited does not control the emissions from electricity generation, we are still responsible for the carbon footprint associated with the energy we use.

To calculate Scope 2 emissions, we will gather data from energy bills for electricity, heating, and cooling services across our facilities. We will use emissions factors provided by the EA and BEIS to calculate the carbon emissions associated with this energy consumption.

3. Scope 3: Other Indirect Emissions: Scope 3 emissions are a result of activities from assets not owned or directly controlled by Arete Health Limited but that Arete Health Limited's activities indirectly impact. These include a wide range of activities, such as:
    - Employee commuting (e.g., travel by car, public transport, or cycling).
    - Waste disposal and recycling.
    - Procurement of goods and services (e.g., medical supplies, office supplies, and cleaning products).
    - Business travel (e.g., flights, hotel stays).

Calculating Scope 3 emissions can be complex, but Arete Health Limited will work with suppliers and gather data from internal sources to estimate the total emissions from these activities. We will prioritize Scope 3 categories that are most relevant to our operations and have the highest potential for emissions reductions.

Utilizing Data from The Environment Agency (EA) and Other Relevant Bodies

We will leverage data from reliable sources such as the EA, BEIS, and other relevant industry bodies to benchmark and validate our emissions calculations. These organizations provide emission factors, guidelines, and sector-specific data that will help us to accurately calculate emissions across all three scopes. This data will be used to benchmark our performance against industry standards and national carbon reduction targets.

3.2 Measurement Methodology

To ensure that our carbon footprint is accurately measured, we will adhere to recognized standards and methodologies. Our approach to measuring and reporting carbon emissions will follow best practices to ensure transparency, consistency, and accuracy.

Measuring and Reporting Carbon Emissions

1. **Tools and Standards**:
    - Greenhouse Gas Protocol: We will use the Greenhouse Gas (GHG) Protocol as the primary standard for calculating and reporting our emissions. The GHG Protocol divides emissions into the three categories of Scope 1, Scope 2, and Scope 3, and provides detailed guidance on how to calculate each. We will ensure that we follow all steps outlined in the protocol, from data collection to emission factor application.

- ISO 14064: We will also use ISO 14064 standards for the quantification and reporting of greenhouse gas emissions. This certification provides specific guidelines for developing a GHG inventory, including verification processes and quality assurance protocols to ensure accurate and reliable reporting.
- BEIS and DEFRA Emissions Factors: The UK Department for Business, Energy & Industrial Strategy (BEIS) and Defra provide emissions factors for different activities such as energy consumption, transportation, and waste management. These factors will be applied when calculating emissions from electricity consumption, fuel use, and other activities to ensure consistency and accuracy.

2. **Carbon Trust Guidelines**: The Carbon Trust provides expert guidance on carbon footprint analysis, and we will follow their carbon footprinting methodology to assess our organizational emissions. The Carbon Trust's guidelines align with the GHG Protocol and ISO 14064, ensuring that our calculations meet international standards.

The Carbon Trust's guidelines will help us in:

- Identifying key emission sources: The Carbon Trust provides a clear framework to identify the key sources of carbon emissions, enabling us to focus on high- impact areas.
- Calculating and reporting emissions: We will use the guidelines to calculate and report emissions accurately, ensuring transparency and consistency in our reporting.
- Carbon footprint reduction: The Carbon Trust's advice will also guide our efforts to reduce emissions, focusing on low-hanging fruit and identifying the most effective carbon-saving initiatives.

3. **UK Government Greenhouse Gas Reporting Guidelines**: Arete Health Limited will also adhere to the UK Government Greenhouse Gas Reporting Guidelines. These guidelines are specifically designed for organizations operating in the UK and provide a structured approach to carbon footprint reporting. The guidelines cover:
    - Scope 1, 2, and 3 emissions: The government's guidelines ensure that we correctly categorize emissions and report them in line with legal requirements.
    - Calculating GHG emissions: The guidelines provide clear instructions on the methods for calculating emissions and the tools and factors to use.
    - Annual reporting: The guidelines include a recommendation for organizations to report on their carbon emissions annually, providing transparency and public accountability.

Baseline Emissions Footprint

To establish our baseline emissions, we will calculate the total carbon emissions for each scope (Scope 1, Scope 2, and Scope 3) for the baseline year. The baseline year will typically be the first full year of data collection, serving as the reference point for tracking reductions over time.

The baseline emissions will be calculated using the following approach:

1. **Scope 1 (Direct emissions)**:
    - Gather data on all direct energy and fuel consumption across all facilities and transportation activities.

    - Apply appropriate emissions factors for each type of energy and fuel used.
2. **Scope 2 (Indirect emissions from purchased electricity)**:
    - Collect data on electricity and heating consumption from utility bills.
    - Apply the appropriate emissions factors for electricity consumption as provided by BEIS and DEFRA.
3. **Scope 3 (Other indirect emissions)**:
    - Collect data from suppliers and internal records to estimate emissions from activities such as employee commuting, waste disposal, and business travel.
    - Use relevant emissions factors for each category based on guidance from the Greenhouse Gas Protocol and Carbon Trust.

Once these emissions are calculated, we will compile the results in a carbon emissions report, which will detail:

- Total emissions for Scope 1, 2, and 3.
- The methodology used for calculation and the data sources.
- A breakdown of emissions by source and department, where applicable.

Additional Details Relating to Baseline Emissions Calculations

The baseline year emissions will serve as a reference for future comparisons. It will help identify key areas where emissions reductions can be made and will allow us to track progress over time. The baseline year emissions calculation will be comprehensive, transparent, and based on the most accurate data available. We will seek external verification of our baseline emissions to ensure credibility.

4.0 CARBON REDUCTION STRATEGIES AND ACTION PLAN

4.1 Actions and Initiatives

In order to achieve our carbon reduction targets and support the UK's Net Zero Strategy, Arete Health Limited will implement a series of concrete actions and initiatives designed to reduce energy consumption, incorporate renewable energy sources, invest in low-carbon technologies, and promote sustainable procurement. These initiatives will be based on national guidelines and sector-specific recommendations to ensure their effectiveness.

Energy Efficiency: Implement Strategies for Energy Use Reduction

As a key priority in our carbon reduction plan, energy efficiency will focus on minimizing the amount of energy consumed across all operations, while still maintaining the high standards of care that Arete Health Limited provides. We will implement energy-saving initiatives based on recommendations from National Grid ESO and Ofgem.

1. **Building Energy Management**:
    - Upgrading Lighting: Replace all lighting with energy-efficient LED lighting, which uses less power and has a longer lifespan than traditional lighting systems.

- HVAC Systems: Upgrade heating, ventilation, and air conditioning (HVAC) systems to energy-efficient models. Install smart thermostats and sensors to optimize energy use based on occupancy and time of day.
- Insulation and Windows: Invest in better insulation for buildings and energy-efficient windows to minimize heat loss and reduce heating energy consumption.

2. **Energy Monitoring and Management**:
    - Smart Meters and Sensors: Install smart meters to track and manage energy consumption more efficiently. These meters will allow real-time monitoring of energy use across various facilities.
    - Data-Driven Energy Management: Utilize energy management software to analyse energy consumption patterns, identify inefficiencies, and optimize energy usage.
3. **Operational Efficiency**:
    - Employee Behaviour Change: Implement employee training and awareness campaigns on energy conservation practices, including turning off unused equipment, minimizing heating or cooling during non-peak hours, and using power-saving modes for devices.

By following National Grid ESO and Ofgem recommendations, Arete Health Limited aims to reduce overall energy consumption by 20% over the next five years.

Renewable Energy: Integrate Renewable Energy Sources

Transitioning to renewable energy is a fundamental part of Arete Health Limited' carbon reduction strategy. We will integrate renewable energy sources, such as solar and wind power, into our operations to reduce reliance on fossil fuels and lower emissions from energy generation.

1. **Solar Panels**:
    - Install Solar Panels: Where feasible, install solar panels on the roofs of our healthcare facilities to generate renewable energy. This will help to reduce our reliance on the national grid and lower Scope 2 emissions associated with purchased electricity.
    - Energy Storage: Install energy storage systems (e.g., batteries) to store excess solar power for use during periods of high demand or low sunlight, further reducing our reliance on grid power.
2. **Wind Power**:
    - Partnerships for Wind Energy: Collaborate with renewable energy providers to purchase wind power through green energy tariffs, or invest in local wind energy projects that allow us to source clean, renewable electricity for our facilities.
3. **Green Energy Tariffs**:
    - Switch to 100% Renewable Energy Suppliers: Transition to energy suppliers that provide electricity generated solely from renewable sources, such as wind, solar, and hydroelectric power.

By integrating these renewable energy sources into our operations, we aim to have 50% of our total energy consumption coming from renewable sources within the next five years.

Low Carbon Technologies: Invest in Low-Carbon Technologies and Energy-Efficient Solutions

Investing in low-carbon technologies and energy-efficient solutions will play a critical role in reducing emissions from our operations. We will adopt the latest innovations in energy-saving technologies, aligning with the guidance of BEIS and the Green Finance Institute.

1. **Energy-Efficient Appliances**:
    - Replace all old, inefficient appliances with energy-efficient models, such as Energy Star-rated medical equipment, LED lighting, energy-efficient refrigerators, and low-power computing devices.
2. **Electric Vehicles (EVs)**:
    - Transition to Electric Fleets: Where feasible, transition our vehicle fleet to electric vehicles (EVs) or low-emission hybrid vehicles for Service User transport and service-related travel. EVs offer significant reductions in Scope 1 emissions from transportation.
    - EV Charging Stations: Install electric vehicle charging stations at our healthcare facilities to support the use of EVs among employees and visitors.
3. **Building Automation Systems (BAS)**:
    - Invest in Building Automation Systems (BAS) that allow for more efficient control of heating, cooling, lighting, and ventilation systems based on real-time occupancy and environmental conditions. This will enhance energy efficiency and reduce overall emissions from facilities.

These technologies will be integrated into our operations, with a goal of reducing our overall carbon emissions by 30% over the next five years.

Sustainable Procurement: Ensure that All Supply Chain Decisions and Procurement Policies Consider Carbon Impacts

Sustainable procurement will be a cornerstone of Arete Health Limited' carbon reduction plan. We will work to ensure that our supply chain decisions take into account the carbon impact of the products and services we purchase, in alignment with PPN 06/21 and other regulatory policies.

1. **Green Procurement Policies**:
    - Establish Sustainability Criteria: Develop procurement policies that include sustainability criteria, prioritizing suppliers that demonstrate strong environmental practices, such as carbon-neutral certifications, sustainable materials, and low-carbon manufacturing processes.
    - Supplier Engagement: Engage with key suppliers to promote carbon reduction initiatives within their own operations. Work with suppliers to identify opportunities for reducing emissions in the supply chain, including transport logistics, packaging, and product sourcing.
2. **Low-Carbon Medical Supplies**:

- Eco-Friendly Medical Products: Prioritize the procurement of eco-friendly medical supplies, such as biodegradable packaging, non-toxic cleaning materials, and sustainable disposables.
- Energy-Efficient Equipment: Purchase energy-efficient medical devices and equipment to reduce long-term energy consumption and associated emissions.

By adopting sustainable procurement policies, we aim to reduce Scope 3 emissions by 20% over the next five years.

4.2 Timeline for Implementation

To ensure the successful implementation of our carbon reduction strategies, we will establish clear timelines and milestones for each phase of the plan. This will include short-term, medium- term, and long-term goals, each with specific targets for reducing carbon emissions.

1. **Short-Term Goals (Year 1–2)**:
   - Energy Efficiency: Complete the implementation of energy-saving lighting and HVAC upgrades.
   - Renewable Energy: Transition 30% of energy consumption to renewable energy sources, including the installation of solar panels in selected facilities.
   - Low-Carbon Technologies: Transition 10% of our vehicle fleet to electric vehicles and begin purchasing low-carbon medical equipment.
   - Sustainable Procurement: Implement a sustainable procurement policy and begin purchasing energy-efficient equipment and eco-friendly medical supplies.
2. **Medium-Term Goals (Year 3–5)**:
   - Energy Efficiency: Achieve a 20% reduction in overall energy consumption through ongoing improvements.
   - Renewable Energy: Increase the share of renewable energy to 50% of total energy consumption.
   - Low-Carbon Technologies: Transition 50% of our vehicle fleet to electric or hybrid vehicles.
   - Sustainable Procurement: Engage with suppliers to ensure 50% of our procurement aligns with sustainable practices.
3. **Long-Term Goals (Year 6–10)**:
   - Energy Efficiency: Achieve a 30% reduction in energy consumption across all facilities.
   - Renewable Energy: Ensure 100% of our energy comes from renewable sources.
   - Low-Carbon Technologies: Fully transition to an electric fleet and continue to invest in energy-efficient technologies.
   - Sustainable Procurement: Ensure that 100% of our procurement meets sustainability criteria.

4.3 Stakeholder Engagement

Engaging key stakeholders in the implementation of our carbon reduction plan is essential to its success. We will work collaboratively with various stakeholders, including suppliers,

contractors, employees, and Service Users, to ensure that sustainability is integrated into every aspect of our operations.

1. **Suppliers and Contractors**:
    - Supplier Collaboration: Engage with our suppliers and contractors to encourage them to reduce their carbon emissions. This may include setting targets for suppliers to reduce their own emissions and ensuring that they meet sustainability criteria in their operations.
    - Sustainability Partnerships: Work with organizations like the UK Green Building Council (UKGBC) to collaborate on strategies for reducing carbon emissions in the built environment, ensuring that our facilities are as energy-efficient as possible.
2. **Employees**:
    - Training and Awareness: Provide training programs to all employees on the importance of sustainability and how they can contribute to reducing emissions in their daily tasks. This includes promoting energy-saving behaviours and encouraging sustainable travel options for commuting.
    - Employee Engagement: Create internal sustainability campaigns to encourage employees to be ambassadors for carbon reduction initiatives within Arete Health Limited.
3. **Service Users and the Wider Community**:
    - Service User Education: Engage Service Users in sustainability efforts by providing information on the importance of reducing carbon emissions and how healthcare providers like Arete Health Limited are taking action.
    - Community Initiatives: Partner with local community groups to promote sustainability in the healthcare sector and share best practices for reducing environmental impacts.

5.0 EMISSION REDUCTION TARGETS

5.1 Alignment with National Targets

As part of the UK’s commitment to combating climate change, the government has set ambitious national targets for carbon emissions reductions, with the ultimate goal of achieving net-zero emissions by 2050 as per the Climate Change Act 2008. Arete Health Limited is fully aligned with these national targets and will contribute to achieving them by committing to reduce our carbon footprint in line with the UK’s legally binding carbon budgets and emissions reduction pathways.

Commitment to Net Zero by 2050: The Climate Change Act 2008 sets out the UK’s legal framework for reducing greenhouse gas emissions to net-zero by 2050. This legally binding commitment requires all sectors of society to contribute to emissions reductions, including healthcare organizations like Arete Health Limited. By reducing our carbon emissions, Arete Health Limited will directly contribute to the UK's overarching goal of achieving net-zero emissions.

Interim Carbon Reduction Targets (Carbon Budgets): To ensure that the journey toward net-zero by 2050 is achievable, the Climate Change Committee (CCC) has developed a series of

carbon budgets. These budgets are set for five-year periods, outlining the emissions reductions required from each sector to meet the long-term net-zero target.

Arete Health Limited will align its emission reduction strategy with these carbon budgets by adopting interim targets for emissions reductions over specific periods, as follows:

1. Short-Term Target (Year 1–2): Reduce emissions by 10% within the first two years. This will help establish the foundation for deeper cuts in the future by focusing on energy efficiency measures and renewable energy adoption.
2. Medium-Term Target (Year 3–5): Achieve a 25% reduction in emissions by the end of Year 5, focusing on larger-scale initiatives such as transitioning to renewable energy sources, enhancing waste management practices, and incorporating low-carbon technologies in operations.
3. Long-Term Target (Year 6–10): Achieve a 50% reduction in emissions over the next 6–10 years. This will be achieved through the continued adoption of low-carbon technologies, electric vehicle fleets, energy-efficient infrastructure, and a focus on sustainable procurement.
4. Net-Zero by 2050: Achieve net-zero emissions by 2050, in line with the UK government's Climate Change Act 2008. This will involve ongoing, incremental reductions across all scopes (Scope 1, Scope 2, and Scope 3) and achieving full decarbonization of our operations, including zero carbon emissions from energy, waste, and transportation by 2050.

5.2 CQC Regulations Compliance

CQC's Environmental Standards and Expectations: The Care Quality Commission (CQC) plays a key role in ensuring that healthcare organizations in England meet high standards of care, safety, and efficiency. One of the CQC's key lines of enquiry (KLOE) involves assessing how organizations manage their environmental impact, which includes energy usage, waste management, and carbon emissions.

The CQC expects healthcare providers to:

- Minimize their carbon footprint by implementing energy-efficient solutions and renewable energy strategies.
- Ensure that sustainability is embedded in governance structures and service delivery.
- Monitor and reduce the environmental impact of operations, ensuring that carbon emissions are carefully managed and minimized.

In line with CQC's Regulation 16 (Assessment of Need for Care and Treatment) and Regulation 17 (Good Governance), Arete Health Limited will ensure that our emission reduction targets are aligned with these regulatory standards, focusing on reducing the carbon impacts of healthcare operations. Specifically, our targets will focus on:

1. **Energy Consumption and Efficiency**: The CQC emphasizes the need for healthcare organizations to manage their energy consumption effectively. Arete Health Limited will achieve a 20% reduction in energy consumption within the first 5 years, through strategies such as upgrading to energy-efficient lighting, HVAC systems, and utilizing renewable energy sources.

   Arete Health Limited will implement energy-saving behaviours across our facilities, with clear metrics and reporting structures to track energy usage and ensure efficiency.

This will be part of our ongoing efforts to comply with CQC standards, which mandate the reduction of unnecessary energy consumption and carbon emissions.

2. **Sustainable Waste Management**: CQC regulations require healthcare organizations to reduce their environmental impact through effective waste management strategies. Arete Health Limited will aim to reduce waste to landfill by 15% in the first two years, focusing on enhancing recycling and reusing materials, as well as managing clinical and non-clinical waste more efficiently.

   This reduction will be part of our wider sustainability strategy to meet CQC requirements for environmental sustainability and reduce carbon emissions associated with waste disposal.

3. **Sustainable Procurement**: The CQC encourages healthcare providers to incorporate sustainable procurement practices into their operations. Arete Health Limited will ensure that all supply chain decisions are based on environmental sustainability criteria, with a focus on purchasing low-carbon products, energy-efficient equipment, and sustainably sourced materials.

   This aligns with CQC Regulation 17, which requires that governance and decision-making systems promote efficiency and sustainability. By adopting sustainable procurement policies, Arete Health Limited will minimize carbon emissions across its supply chain and meet CQC's environmental expectations.

4. **Regular Environmental Audits and Reporting**: The CQC expects healthcare providers to monitor and assess their environmental performance regularly. Arete Health Limited will conduct annual carbon emissions audits to assess progress toward our reduction targets and ensure compliance with CQC regulations.

   These audits will be shared with senior leadership and reported to relevant stakeholders, including the CQC, to demonstrate accountability and transparency in our carbon reduction efforts.

6.0 MONITORING AND REPORTING

6.1 Carbon Monitoring Systems

Monitoring carbon emissions is crucial to effectively manage and reduce the environmental impact of our operations. Arete Health Limited will implement robust carbon monitoring systems that align with best practices and regulatory guidelines, ensuring that we can track emissions accurately, identify areas for improvement, and demonstrate progress in meeting our carbon reduction targets.

Continuous Monitoring of Carbon Emissions: To ensure effective monitoring of our carbon emissions, Arete Health Limited will deploy a combination of real-time monitoring technologies and manual data collection processes across all three scopes of emissions (Scope 1, Scope 2, and Scope 3). This will allow us to track energy use, waste generation, and transportation emissions, as well as other factors contributing to our carbon footprint.

1. **Real-Time Energy Monitoring Systems**: Smart Meters: Install smart meters at all facilities to monitor energy consumption in real-time. These meters will provide granular data on electricity and gas usage, allowing us to identify patterns of inefficiency or periods of high energy consumption.

Energy Management Software: Utilize energy management software that integrates data from smart meters to provide ongoing analysis of energy usage, identify trends, and flag anomalies in real-time. This software will also calculate carbon emissions from energy consumption and provide detailed insights on how energy is used across Arete Health Limited.

2. **Building Automation Systems (BAS)**: We will use Building Automation Systems (BAS) to optimize energy use in real time. BAS allows Arete Health Limited to control lighting, HVAC systems, and other building operations based on occupancy, external weather conditions, and energy demand. This system will help reduce energy waste and improve overall energy efficiency.
3. **Transportation Emissions Monitoring**: Fleet Management Systems: We will track emissions from our vehicle fleet by using fleet management software, which monitors the fuel consumption, vehicle usage patterns, and emissions levels of our fleet. This system will allow us to track and optimize vehicle routes and fuel usage, reducing emissions from transportation.

   Telematics: In addition, we will install telematics devices in company vehicles, which will provide data on driving behaviours such as speed, idling time, and fuel efficiency. This data will be used to reduce fuel consumption and emissions.
4. **Waste and Supply Chain Emissions**: Waste Management System: Implement a comprehensive waste management system that tracks waste generation, disposal methods, and recycling rates. This system will ensure that we can accurately calculate the carbon emissions associated with waste disposal and identify areas for improvement in recycling and waste reduction efforts.

   Procurement Tracking: Develop a supplier tracking system to assess the carbon footprint of products and services purchased across our supply chain. This will allow us to measure and monitor Scope 3 emissions and ensure that we are meeting our sustainable procurement goals.

   Frequency of Emissions Audits and Reporting:

   Arete Health Limited will conduct regular audits and assessments to track our carbon emissions and measure progress toward our reduction targets. These audits will be aligned with industry standards and regulatory requirements, ensuring transparency and accountability in our carbon reduction efforts.

1. **Annual Emissions Audits**:

   Internal Emissions Audits: We will perform annual internal emissions audits to assess our progress in reducing carbon emissions. These audits will be based on data collected throughout the year, including energy usage, fuel consumption, waste management, and procurement records.

   External Verification: To ensure the accuracy and credibility of our emissions data, we will engage third-party auditors to verify our carbon emissions and reduction claims annually. This external verification will provide an independent assessment of our progress and ensure compliance with global standards such as ISO 14064 and the Greenhouse Gas Protocol.

2. **Reporting to Regulatory Bodies**:

   CQC Reporting Requirements: As required by CQC, we will report our environmental performance and carbon emissions reduction progress as part of our annual regulatory

compliance reviews. This will include detailing our energy efficiency measures, waste reduction efforts, and other environmental initiatives that contribute to sustainability and carbon reduction.

Climate Change Committee (CCC): Arete Health Limited will submit an annual report to the Climate Change Committee (CCC), providing detailed updates on our carbon emissions reduction efforts. This report will include our emissions data for the year, progress toward meeting interim carbon reduction targets, and plans for the coming year. The report will be in line with the CCC's recommendations for carbon reporting and will demonstrate our commitment to meeting national climate targets.

6.2 Transparency and Accountability

Providing Transparent Reporting of Emissions Reductions and Progress: Transparency is a key element of our carbon reduction strategy. Arete Health Limited recognizes that providing stakeholders both internal and external with clear, honest, and accurate information on our emissions reductions is essential for maintaining trust and accountability.

1. **Annual Sustainability Reports**:
    - Arete Health Limited will publish an annual sustainability report detailing our carbon emissions and progress toward meeting our targets. This report will include:
        - Total emissions data for Scope 1, Scope 2, and Scope 3.
        - A breakdown of emissions by department, facility, and activity.
        - Progress toward carbon reduction targets, including energy use, waste management, and fleet emissions.
        - Detailed information on the effectiveness of carbon-saving initiatives such as energy-efficient technologies, renewable energy installations, and low-carbon transportation.
    - The sustainability report will be publicly available on our website and shared with key stakeholders, including employees, Service Users, suppliers, and regulatory bodies.
2. **Annual Emissions Reduction Progress Updates**: We will provide progress updates to the Board of Directors and senior leadership on a quarterly basis, including a detailed annual summary that tracks progress against our interim and long-term carbon reduction targets.

   This will help to ensure ongoing accountability and facilitate adjustments to the strategy as needed to ensure that we remain on track to meet our net-zero target by 2050.

   Compliance with PPN 06/21 for Reporting in Tendering Processes: In addition to regulatory and internal reporting, Arete Health Limited will adhere to the Public Procurement Note (PPN) 06/21, which requires public sector organizations and suppliers to demonstrate their commitment to carbon neutrality through detailed carbon reduction plans.

1. **Carbon Reduction Plans in Procurement**: As part of our compliance with PPN 06/21, Arete Health Limited will include our Carbon Reduction Plan in all relevant procurement tenders. This plan will outline our carbon reduction initiatives, progress,

and emissions reduction targets, providing evidence of our commitment to sustainability and environmental stewardship.

We will ensure that suppliers and contractors we work with are also committed to reducing their carbon footprint, requiring them to submit their own carbon reduction plans as part of our procurement process. This will help create a more sustainable supply chain, driving carbon reductions across the entire value chain.

2. **PPN 06/21 Reporting and Accountability**: Arete Health Limited will submit an annual update on our carbon reduction progress to relevant procurement bodies as part of our reporting requirements under PPN 06/21. This ensures that we are meeting the standards for carbon reduction set forth by the UK government and demonstrating our commitment to reducing emissions within the public sector.
3. **Public and Stakeholder Transparency**: All emissions reductions, goals, and progress will be reported transparently in public-facing documents, ensuring that our stakeholders including Service Users, staff, local communities, and government bodies are informed of our sustainability initiatives. By providing this level of transparency, we foster trust and ensure that Arete Health Limited is held accountable for its carbon reduction commitments.

7.0 CARBON OFFSET AND COMPENSATION

7.1 Carbon Offset Projects

As part of Arete Health Limited' comprehensive carbon reduction strategy, we recognize that it may not always be possible to eliminate all emissions through internal reductions alone. Therefore, we are committed to offsetting residual emissions that cannot be reduced through internal efforts, ensuring that we can still achieve our overall Net Zero by 2050 goal. Offsetting involves investing in projects that remove or reduce carbon dioxide (CO2) from the atmosphere, counteracting the emissions that remain after our direct reduction efforts.

Carbon Offset Plans for Residual Emissions:

1. **Identifying Residual Emissions**: Residual emissions are those emissions that remain after implementing all feasible internal carbon reduction strategies, including energy efficiency improvements, renewable energy adoption, low-carbon technologies, and sustainable procurement. These emissions typically arise from areas such as:
    - Long-distance travel (e.g., business flights, employee commuting).
    - Supply chain emissions that are not feasible to reduce immediately.
    - Emissions from hard-to-decarbonize sectors, such as some aspects of medical equipment and healthcare services that still rely on high-energy-consuming processes.
2. **Carbon Offset Strategy**: Arete Health Limited will offset the remaining emissions by investing in high-quality carbon offset projects. These projects will be selected to meet our environmental goals and align with both our sustainability values and national regulations. The primary focus will be on projects that offer long-term, verifiable benefits for the environment, and that help to mitigate the effects of climate change.

Types of Carbon Offset Projects:

1. **Reforestation and Afforestation**:
    - Forest Restoration Projects: We will support reforestation and afforestation projects aimed at restoring degraded forests or planting new forests in areas that can sequester large amounts of carbon. These projects are essential for long- term carbon capture, as trees absorb CO2 from the atmosphere as they grow.
    - Collaboration with Natural England: Arete Health Limited will collaborate with Natural England, an environmental body dedicated to protecting and enhancing England's natural landscapes. Natural England works with organizations to restore habitats and increase biodiversity while contributing to carbon sequestration efforts.
    - Biodiversity Gains: In addition to carbon offsetting, these projects will also provide biodiversity benefits by creating new wildlife habitats and improving ecosystem services, such as water regulation and soil health.
2. **Renewable Energy Projects**:
    - Clean Energy Investments: Arete Health Limited will contribute to renewable energy projects such as wind farms, solar power installations, and hydroelectric plants. These projects displace the need for fossil fuel-based energy generation, thus reducing global CO2 emissions.
    - Global Clean Energy Projects: By funding renewable energy installations in developing regions, we can help to bring cleaner energy solutions to places that may not otherwise have access to them, significantly reducing emissions from fossil fuels in these areas.
3. **Methane Capture and Landfill Gas Projects**:
    - Landfill Gas-to-Energy Projects: Methane, a potent greenhouse gas, is often released from landfills. However, technologies exist that can capture methane from these sites and convert it into energy. We will invest in landfill gas-to-energy projects that capture methane emissions and use them to generate electricity, effectively reducing the impact of waste disposal on the environment.
    - Agricultural Methane Reduction: We may also explore partnerships with agricultural projects focused on reducing methane emissions from livestock farming, which is a significant contributor to global emissions.
4. **Soil Carbon Sequestration**:
    - Sustainable Land Management Projects: These projects focus on improving soil health and implementing practices that enhance the ability of soils to absorb and store carbon. Projects may include regenerative farming practices such as no- till farming, agroforestry, and crop rotation, which increase soil carbon storage and improve the sustainability of agricultural practices.
    - Partnership with the Carbon Trust: The Carbon Trust is a leading organization in supporting the transition to a low-carbon economy. We will explore opportunities to work with the Carbon Trust on projects that promote sustainable land management practices that also focus on carbon sequestration.
5. **Water Conservation and Wetland Restoration**:

- Wetland Carbon Sequestration: Wetlands, including marshes and peat bogs, play a vital role in absorbing and storing carbon. Arete Health Limited will contribute to projects that restore or protect wetland areas, which have been shown to sequester large amounts of carbon while also providing benefits for biodiversity, water quality, and flood control.

7.2 Offset Verification

To ensure the credibility and effectiveness of our carbon offset projects, Arete Health Limited will rigorously verify that the carbon offsets we invest in meet internationally recognized standards and are aligned with UK regulations. This is critical to ensuring that the offsets we purchase genuinely contribute to reducing global greenhouse gas emissions and are not merely hypothetical or ineffective claims.

Ensuring Credible Offset Projects:

1. **Third-Party Certification**:
   - We will only invest in carbon offset projects that are certified by reputable, third-party organizations. This ensures that the projects are legitimate, effective, and meet internationally recognized standards. Some of the most widely accepted certification standards include:
     - Verified Carbon Standard (VCS): The VCS is one of the world's most widely used standards for certifying carbon offset projects. Projects certified under this standard undergo rigorous validation and verification to ensure they meet stringent environmental criteria.
     - Gold Standard: Established by the WWF and other international environmental NGOs, the Gold Standard certifies projects that contribute to sustainable development and meet high standards for environmental integrity and social impact.
     - Clean Development Mechanism (CDM): This is an offset certification under the Kyoto Protocol, which allows for investment in emission-reducing projects in developing countries. The CDM ensures that carbon credits are issued only for projects that reduce emissions beyond what would have occurred in a business-as-usual scenario.
2. **Compliance with Environmental Agency (EA) Standards**:
   - The Environmental Agency (EA) in the UK oversees environmental standards, ensuring that all carbon offset projects meet rigorous environmental and ethical standards. Arete Health Limited will ensure that the offset projects we invest in adhere to the EA's guidelines for carbon offsetting, ensuring they are verifiable, transparent, and lead to genuine emissions reductions.
   - The EA's standards for carbon offsetting require that the projects are additional (i.e., they would not have happened without the funding), measurable (i.e., the carbon reduction can be quantified), and permanent (i.e., the carbon is stored for a long-term period).
3. **Reporting and Transparency**:
   - We will require annual verification reports from third-party auditors for every offset project we invest in. These reports will provide evidence that the projects are delivering the promised carbon reductions and will include detailed

assessments of the project's effectiveness and progress toward meeting the required goals.

- Transparency: Arete Health Limited will make these verification reports publicly available as part of our sustainability and carbon reduction reporting. This will allow stakeholders, regulatory bodies, and the public to see how we are meeting our carbon neutrality goals and ensure that our carbon offset purchases are legitimate and effective.

4. **Offset Project Audits**:
    - To ensure that projects continue to deliver emissions reductions over time, Arete Health Limited will conduct periodic audits of offset projects. These audits will be carried out by independent third-party auditors to confirm that the projects remain operational and are continuing to deliver the expected carbon savings.

8.0 FINANCIAL INVESTMENT AND FUNDING

8.1 Budget and Funding for Carbon Reduction

To effectively implement the Carbon Reduction Plan (CRP) and ensure its long-term success, Arete Health Limited will allocate a clear and dedicated budget to support the implementation of carbon reduction initiatives. These funds will be essential in driving the transformation of our operations, reducing emissions, and achieving our net-zero emissions target by 2050.

Allocating the Carbon Reduction Budget:

The overall carbon reduction budget will cover a wide range of initiatives, from upgrading facilities and technologies to investing in sustainable energy solutions. This budget will be reviewed and updated regularly to reflect any changes in the scope of the CRP, new technological advancements, and evolving regulatory requirements.

Key Areas of Investment:

1. **Energy Efficiency Measures**: A significant portion of the budget will be allocated to improving energy efficiency across our facilities and operations. These investments will include:
    - Upgrading lighting to LED systems: This is a low-cost, high-impact initiative that significantly reduces energy consumption.
    - Energy-efficient HVAC systems: Replacing older HVAC systems with more energy-efficient models that can be controlled through smart thermostats to minimize energy use.
    - Insulation and Building Improvements: Investing in insulation, double-glazed windows, and energy-efficient building materials to reduce heating and cooling needs.
    - Smart Energy Management Systems: Implementing software that monitors and optimizes energy usage across our facilities in real-time, identifying opportunities for savings and efficiencies.
2. **Renewable Energy Investments**: A portion of the carbon reduction budget will go toward installing renewable energy systems, including solar panels and possibly wind energy installations on-site, where feasible. This investment will help us meet our

goal of sourcing 50% renewable energy by Year 5 and 100% renewable energy by Year 10.

3. **Low-Carbon Technologies**: Arete Health Limited will invest in low-carbon technologies to reduce emissions from transportation and operations. These investments will include:
    - Electric Vehicle Fleets: Transitioning a portion of our vehicle fleet to electric or hybrid models, which will reduce emissions associated with employee travel, Service User transport, and service-related logistics.
    - Energy-Efficient Medical Equipment: Purchasing energy-efficient medical devices and systems that consume less power while maintaining high-quality Service User care standards.
4. **Sustainable Waste Management and Procurement**: The budget will also support waste management initiatives that reduce waste sent to landfills, enhance recycling rates, and support the circular economy. Similarly, sustainable procurement practices will ensure that products purchased by Service User are energy-efficient, durable, and responsibly sourced, which will require some upfront investment but will yield long-term cost savings.

Capital vs. Operational Expenditure:

- Capital Expenditure (CapEx): Significant upfront investments will be required for infrastructure upgrades, such as installing renewable energy systems and replacing HVAC units. These will be treated as capital expenditures and amortized over their useful lives.
- Operational Expenditure (OpEx): Ongoing operational costs, including energy bills (with an emphasis on renewable sources), fleet maintenance for electric vehicles, and costs associated with waste management, will be considered as operational expenses.

8.2 Green Finance Options

In addition to internal funding, Arete Health Limited will explore green finance options to support the implementation of our carbon reduction initiatives. These options will provide additional resources to fund projects that support sustainability and help accelerate the transition to a low-carbon economy.

Green Bonds:

- Issuance of Green Bonds: Arete Health Limited will explore the option of issuing green bonds to raise funds specifically for sustainability and carbon reduction projects. Green bonds are debt instruments where the funds raised are earmarked for financing projects that have positive environmental impacts. This could include investments in renewable energy systems, energy-efficient building renovations, and low-carbon transportation.
- Bond Certification: We will ensure that the green bonds are certified by a recognized third-party organization (e.g., Climate Bonds Initiative) to ensure that the funds raised are used exclusively for projects that meet environmental sustainability criteria.

Low-Carbon Innovation Funds:

- Accessing Low-Carbon Innovation Funds: Arete Health Limited will apply for funding from low-carbon innovation funds provided by government bodies, financial institutions, or green investment platforms. These funds often support projects that implement innovative energy-saving technologies, renewable energy solutions, and carbon reduction initiatives.

- Collaboration with the Green Finance Institute: Arete Health Limited will work with the Green Finance Institute, which promotes sustainable finance and helps organizations access funding for green projects. This partnership will help identify potential green financing options and guide us through the application process for public and private green funds.

Government Grants and Subsidies:

- We will explore available government grants and subsidies for sustainability initiatives, particularly those aimed at reducing carbon emissions in healthcare settings. The UK government often provides financial support for energy efficiency projects and renewable energy installations, which can significantly reduce the initial capital required for such projects.

Green Finance Partnerships:

- Arete Health Limited will seek partnerships with green financial institutions, such as banks and investment firms that specialize in financing low-carbon projects. These partnerships will provide access to affordable capital to fund projects and initiatives that align with our carbon reduction strategy.

8.3 Cost-Benefit Analysis

The implementation of the Carbon Reduction Plan (CRP) involves both upfront capital investments and ongoing operational costs. However, it is essential to assess the long-term financial benefits of these investments to demonstrate their value and justify the expenditure. A thorough cost-benefit analysis will show how our carbon reduction initiatives will lead to financial savings over time through energy efficiency, waste reduction, and compliance with regulations.

Key Areas of Financial Benefit:

1. Energy Efficiency Savings:

- Reduced Energy Bills:
    - By upgrading to energy-efficient systems (e.g., LED lighting, HVAC systems), Arete Health Limited will reduce its energy consumption and lower electricity and heating costs.
    - Expected Energy Savings: 20% annually (industry average).
    - Payback Period: Typically, energy-saving technologies like LED lighting have a payback period of 2-4 years. This means the investment in energy-efficient systems will be offset within this period by energy savings.
- **Return on Investment (ROI):**
    - LED Lighting Example: Replacing traditional lighting with LED systems can result in energy savings of 20% annually, with a payback period of 3 years.

2. Renewable Energy Cost Savings:

- Lower Long-Term Energy Costs:
    - By investing in solar panels and other renewable energy sources, Arete Health Limited can significantly reduce its dependence on grid electricity, which is subject to fluctuating prices.

- Solar Panel Savings: Solar energy systems, for example, have an expected payback period of 6-8 years, after which they generate free, clean energy.

- **Incentives and Subsidies:**
  - In addition to energy savings, investing in renewable energy may qualify Arete Health Limited for government incentives, such as feed-in tariffs or renewable energy grants, which further reduce the financial burden of these investments.

3. Fleet Electrification Savings:

- Lower Fuel Costs:
  - Transitioning to an electric vehicle (EV) fleet will reduce fuel costs, as electricity is generally cheaper than gasoline or diesel.
  - Expected Fuel Savings: Electric vehicles (EVs) cost around £2-£3 per 100 miles, compared to £10-£12 for petrol or diesel vehicles.
  - Estimated Savings: An electric vehicle fleet could lead to a 20-30% reduction in fuel costs annually.
  - ROI: The savings on fuel could result in 30-40% savings annually, with an expected ROI within 3-5 years for the initial fleet electrification investment.

- **Maintenance Savings:**
  - EVs require less maintenance than traditional vehicles, as they have fewer moving parts and require no oil changes.
  - Maintenance Savings Estimate: Maintenance costs for EVs are typically 40-50% lower than traditional vehicles.

1. Renewable Energy Cost Savings:
  - Expected Savings: 20-30% annually after payback period.
  - **o** Payback Period: 6-8 years**.**
  - **o** Incentives: Government schemes such as the Smart Export Guarantee**.**

2. **Fleet Electrification Savings:**
  - **o** Fuel Savings: 20-30% reduction in fuel costs annually**.**
  - **o** Maintenance Savings: 40-50% reduction in maintenance costs**.**
  - ROI Period**:** 3-5 years.

1. **Compliance with Regulatory Requirements**:
  - Avoidance of Fines: By proactively addressing carbon emissions, Arete Health Limited will ensure compliance with national regulations, such as the Climate Change Act 2008, and avoid potential fines or penalties for failing to meet carbon reduction targets.
  - CQC Compliance: Meeting CQC regulations for environmental sustainability can also help prevent penalties or reputational damage that may arise from non- compliance. Additionally, compliance with environmental standards will enhance Arete Health Limited' reputation as a responsible, forward-thinking healthcare provider.

2. **Public and Stakeholder Engagement**:

- Enhanced Reputation: Implementing a strong carbon reduction strategy will enhance our reputation as an environmentally responsible organization, which can attract new Service Users, employees, and business partners who prioritize sustainability. This could lead to increased revenue and opportunities for collaboration.

9.0 RISK MANAGEMENT AND CONTINGENCY PLANS

9.1 Risk Identification

Implementing the Carbon Reduction Plan (CRP) is a complex process that involves various initiatives aimed at reducing emissions, improving energy efficiency, and achieving sustainability goals. However, as with any large-scale environmental initiative, there are several risks that could potentially impact the success of the plan. Identifying and understanding these risks is critical for ensuring that we can address them proactively and stay on track to achieve our carbon reduction targets.

Potential Risks to the Implementation of the Carbon Reduction Plan:

1. **Budget Constraints and Financial Limitations**:
    - Risk: Implementing the carbon reduction initiatives outlined in the CRP will require significant financial resources, particularly in the initial stages. Any unexpected financial constraints, such as budget cuts or reduced funding, could delay or reduce the scope of key projects such as upgrading energy systems, investing in renewable energy, or purchasing low-carbon technologies.
    - Impact: Budgetary limitations may affect our ability to implement energy-efficient technologies, renewable energy installations, or low-carbon transportation options, thereby hindering progress towards meeting our carbon reduction goals.
2. **Supply Chain Disruptions**:
    - Risk: Supply chain disruptions, particularly in global supply chains, could impact the timely delivery of key materials and technologies needed for our carbon reduction initiatives. For instance, delays in the procurement of energy-efficient equipment, renewable energy systems, or electric vehicles could slow down the implementation of critical projects.
    - Impact: Delays in the delivery of these technologies could push back the timeline for carbon reduction initiatives, which may ultimately delay the achievement of our long-term goals.
3. **Changes in Legislation or Regulatory Requirements**:
    - Risk: Changes in government policies, regulations, or funding incentives could impact the CRP. For example, new regulations or amendments to the Climate Change Act or CQC standards could introduce additional compliance requirements or deadlines. Additionally, the removal or alteration of government subsidies or incentives for renewable energy, energy-efficient technologies, or electric vehicles could significantly increase the costs of implementation.

- Impact: Unforeseen changes in legislation could necessitate adjustments to the plan, leading to higher costs or the need for additional resources to comply with new requirements. This could also affect the projected return on investment for certain projects, delaying or reducing their financial viability.

4. **Technological Limitations or Availability**:
    - Risk: Technological limitations or delays in the development of new low-carbon technologies could pose challenges. For instance, delays in the development or commercialization of certain energy-efficient systems or electric vehicles could delay the implementation of key components of the carbon reduction strategy.
    - Impact: The failure of emerging technologies to meet expectations or timelines could prevent Service User from achieving its carbon reduction targets as quickly or efficiently as planned.
5. **Stakeholder Resistance or Lack of Engagement**:
    - Risk: Employees, contractors, and suppliers may not fully embrace the carbon reduction initiatives, which could lead to resistance or slow adoption of new processes and practices. Lack of engagement from staff or suppliers could impact the success of efforts such as energy-efficient practices, low-carbon procurement, or changes to business travel.
    - Impact: If stakeholders do not fully support or participate in the carbon reduction initiatives, the effectiveness of the plan may be compromised, leading to delays in achieving key milestones.
6. **Unforeseen External Factors**:
    - Risk: Unforeseen external factors such as economic downturns, political instability, or global crises (e.g., pandemics) could disrupt the implementation of the CRP. These factors could shift organizational priorities or reduce financial and human resources available for sustainability efforts.
    - Impact: External events beyond Service User's control could delay or reduce the scope of carbon reduction efforts, potentially hindering progress and reducing the ability to achieve carbon reduction targets on schedule.

9.2 Mitigation Strategies

To ensure the successful implementation of the Carbon Reduction Plan (CRP) and to minimize the impact of identified risks, Arete Health Limited will develop a series of mitigation strategies. These strategies will aim to proactively address risks and challenges, ensuring that Service User remains on track to achieve its carbon reduction goals, even in the face of uncertainty.

Mitigation Strategies for Identified Risks:

1. **Budget Constraints and Financial Limitations**:
    - Diversified Funding Sources: To minimize the risk of financial limitations, Arete Health Limited will explore a variety of funding sources, including green financing options, government grants, and external investments. This will ensure that there are sufficient financial resources to support carbon reduction initiatives even in the event of budget cuts or unforeseen financial challenges.
    - Phased Implementation: The CRP will be implemented in phases to manage

costs effectively. By prioritizing high-impact and low-cost initiatives in the

early stages, we can ensure that key projects are initiated without exhausting available funds. This phased approach will also allow for flexibility in adjusting the scope of projects based on available resources.

- Cost-Benefit Analysis: Ongoing cost-benefit analysis will be used to evaluate the financial viability of each carbon reduction initiative. This will help ensure that investments are aligned with long-term savings and benefits, providing a clear financial justification for each expenditure.

2. **Supply Chain Disruptions**:
    - Diversified Suppliers: To reduce the risk of supply chain disruptions, Arete Health Limited will work with multiple suppliers for critical materials and technologies. This will ensure that if one supplier faces delays, there are alternative options available to keep projects on track.
    - Strategic Stockpiling: Where feasible, Arete Health Limited will consider strategic stockpiling of key materials, such as energy-efficient equipment, electric vehicles, or renewable energy components. This will help mitigate risks associated with supply chain delays and ensure that projects continue without interruption.
    - Local Sourcing: For certain materials or technologies, we will explore the possibility of local sourcing to reduce dependencies on international supply chains and minimize the risk of disruption.
3. **Changes in Legislation or Regulatory Requirements**:
    - Regular Monitoring of Legislation: Arete Health Limited will establish a regulatory monitoring system to keep track of any changes to relevant laws, regulations, and incentives. This will allow Service User to quickly respond to new requirements and adjust the CRP as necessary.
    - Flexible Approach: The CRP will be designed to be flexible and adaptable, allowing for adjustments in response to new regulations. By staying informed and prepared for changes, we can ensure compliance without significant delays or additional costs.
    - Engagement with Regulatory Bodies: Arete Health Limited will engage with key regulatory bodies, such as CQC, BEIS, and the Environment Agency, to ensure that we are fully aligned with the latest regulatory requirements and standards.
4. **Technological Limitations or Availability**:
    - Partnerships with Innovators: Arete Health Limited will collaborate with technology developers and industry leaders to stay at the forefront of emerging low-carbon technologies. By building relationships with innovators, we can gain early access to new technologies and ensure that our projects are not delayed due to technological limitations.
    - Pilot Projects: We will consider implementing pilot projects for new technologies before full-scale adoption. This will allow us to test the technology's effectiveness, ensure it meets our needs, and address any issues before large-scale investment.

- Alternative Technologies: In the event that a specific technology does not become available or fails to meet expectations, we will identify and explore alternative low-carbon technologies that can provide similar or greater benefits.

5. **Stakeholder Resistance or Lack of Engagement**:
    - Comprehensive Stakeholder Engagement Plan: To mitigate resistance and ensure strong support, we will develop a comprehensive stakeholder engagement plan that includes:
        - Regular communication with staff, suppliers, and contractors about the importance of carbon reduction efforts and how they can contribute.
        - Incentives for employees who actively participate in sustainability initiatives, such as rewards for reducing energy consumption or adopting greener practices.
        - Training and Education to increase awareness of the environmental impacts of healthcare and the role of individuals in reducing Service User's carbon footprint.
    - Leadership Commitment: Senior leadership will actively champion the carbon reduction efforts, demonstrating a top-down commitment to sustainability. This leadership involvement will be crucial in influencing the entire organization to embrace the CRP.
6. **Unforeseen External Factors**:
    - Contingency Planning: Arete Health Limited will develop a contingency plan to address unforeseen external events, such as economic downturns or global crises. This plan will include strategies for adjusting the scope of carbon reduction initiatives or reallocating resources in response to changing circumstances.
    - Scenario Planning: Regular scenario planning exercises will be conducted to identify potential risks and evaluate how different external factors could impact our carbon reduction efforts. This proactive approach will help us prepare for a wide range of possible disruptions and mitigate their effects

10.0 COMMITMENT TO CONTINUOUS IMPROVEMENT

10.1 Long-Term Vision

At Arete Health Limited, our long-term vision is clear: we are committed to achieving net-zero emissions by 2050 and continuing to enhance our sustainability practices well beyond this target. We understand that achieving net-zero is not only an environmental necessity but also an ethical obligation that directly aligns with the values of providing high-quality, patient- centered care. Our commitment to a low-carbon future will drive both operational excellence and long-term environmental stewardship, enabling us to contribute positively to the global effort against climate change.

Reaffirming Commitment to Net-Zero Emissions:

The Climate Change Act 2008 and the UK Net Zero Strategy have set the national course for achieving net-zero emissions by 2050, and Arete Health Limited fully embraces this goal. Through the implementation of our Carbon Reduction Plan (CRP), we will reduce our carbon

emissions progressively, with the aim of reaching net-zero by 2050. By focusing on energy efficiency, renewable energy integration, low-carbon technologies, and sustainable procurement practices, we will reduce our carbon footprint while maintaining the high standards of care that our Service Users rely on.

Continuing to Improve Practices:

While the achievement of net-zero by 2050 is our overarching goal, continuous improvement is central to our strategy. We will not view our carbon reduction efforts as a one-time initiative but rather as an ongoing process of innovation and refinement. As new technologies and best practices emerge, we will integrate them into our operations, ensuring that our carbon reduction efforts remain cutting-edge and effective.

Additionally, we will continue to build on the foundations of our sustainability efforts by:

- Regularly reviewing and enhancing our carbon reduction initiatives to ensure that they remain aligned with national goals and industry standards.
- Fostering a culture of innovation, encouraging our staff to contribute ideas for new sustainability practices and solutions.
- Engaging in research and development, collaborating with industry bodies such as the Carbon Trust and The UK Green Building Council (UKGBC) to explore the latest trends in carbon reduction, energy efficiency, and sustainable building practices.

Collaboration with Industry Bodies:

To ensure that our carbon reduction efforts are aligned with industry best practices and evolving environmental standards, Arete Health Limited will continue to engage with key industry bodies such as:

- The Carbon Trust: The Carbon Trust plays a vital role in helping organizations reduce their carbon emissions through consultancy services, carbon footprint analysis, and sustainability initiatives. Arete Health Limited will continue to work with the Carbon Trust to optimize our emissions reduction strategies, ensuring that we are adopting the most effective technologies and methodologies available.
- The UK Green Building Council (UKGBC): The UKGBC is a leading organization advocating for sustainable building practices in the healthcare and construction sectors. Arete Health Limited will collaborate with the UKGBC to incorporate sustainable building designs, energy-efficient systems, and carbon reduction practices into the construction and renovation of our healthcare facilities. This collaboration will also allow us to stay ahead of industry standards and regulatory changes related to environmental sustainability.

Long-Term Partnerships for Innovation:

We will foster ongoing partnerships with technology innovators, research institutions, and environmental organizations to stay at the forefront of sustainability in healthcare. Through these partnerships, we will explore new ways to integrate cutting-edge low-carbon technologies, renewable energy solutions, and efficient building systems into our operations, ensuring that we continue to drive forward our long-term environmental goals.

10.2 Feedback and Adaptation

As the Carbon Reduction Plan (CRP) unfolds, it is essential that Arete Health Limited maintains a flexible approach, allowing for ongoing feedback and continuous improvement. The landscape of carbon reduction is constantly evolving, with new technologies, regulatory

requirements, and unforeseen challenges emerging over time. To ensure that we can adapt to these changes, we will create a system that facilitates feedback loops and supports adaptive management.

Creating a System for Ongoing Feedback:

We recognize that the path to net-zero emissions requires ongoing monitoring and the ability to respond to emerging trends, technological advancements, and regulatory changes. To this end, we will establish the following feedback mechanisms:

1. **Regular Carbon Audits and Performance Reviews**:
    - Annual carbon emissions audits will assess the progress made in achieving our carbon reduction targets. These audits will evaluate energy consumption, waste management practices, transportation emissions, and the impact of new technologies. The results will inform future actions and highlight areas where additional efforts are needed.
    - Quarterly Performance Reviews will be held by the senior leadership team to evaluate progress on carbon reduction goals and ensure that any barriers to success are addressed promptly. These reviews will consider feedback from internal teams, third-party auditors, and key stakeholders.
2. **Stakeholder Feedback and Engagement**:
    - Arete Health Limited will engage with both internal and external stakeholders— including employees, Service Users, suppliers, and the local community— to gather feedback on our sustainability practices and carbon reduction initiatives. This will include surveys, focus groups, and consultations designed to assess stakeholder satisfaction and gather input on potential improvements.
    - Service Users and Employee Feedback: We will regularly survey Service Users and employees to gather their thoughts on the environmental sustainability of our services. This feedback will help identify areas where we can enhance sustainability while improving Service User care and employee satisfaction.
3. **Technology and Innovation Updates**:
    - We will establish a regular process for evaluating new low-carbon technologies and energy-efficient solutions. This will involve maintaining strong relationships with research institutions and technology providers, allowing us to stay informed about the latest innovations in energy efficiency, carbon capture, renewable energy, and sustainable construction. Feedback from technology pilots will be used to assess their effectiveness and make adjustments to our strategy.
4. **Regulatory Monitoring and Compliance Updates**:
    - Our legal and compliance team will continuously monitor changes in regulations and standards, such as updates to the Climate Change Act 2008, CQC sustainability regulations, and other relevant policies. These updates will ensure that our CRP remains compliant with all applicable laws, helping us adapt to new regulatory requirements.
    - We will work closely with organizations like BEIS and The Environment Agency to ensure that our carbon reduction efforts are aligned with the latest governmental and regulatory expectations.

Adapting the Carbon Reduction Plan:

The dynamic nature of carbon reduction means that it's crucial to remain adaptable and responsive to both internal and external changes. As we receive feedback from stakeholders, audit results, and new regulatory guidance, we will make necessary adjustments to our CRP to stay on track with our goals.

1. **Revised Strategies**: Based on the outcomes of performance reviews, new innovations, or shifting external factors, Arete Health Limited will revise and optimize our carbon reduction strategies. For example, if new renewable energy technologies emerge that offer better cost-efficiency or scalability, we will update our renewable energy strategies to incorporate these solutions.
2. **Responsive Budgeting**: If unforeseen challenges arise, such as rising costs of carbon-reduction technologies or delays in supply chains, we will adjust the budget allocation for carbon reduction projects. This flexibility will ensure that we continue making progress even in the face of adversity.
3. **Long-Term Adaptation**: In the longer term, as we approach net-zero emissions by 2050, we will continuously reassess the effectiveness of our entire strategy. The final stages of the CRP will likely require new and innovative solutions to address emissions in harder-to-decarbonize areas, such as medical waste management, carbon capture technologies, and advanced energy storage. Our plan will evolve to reflect these new challenges and opportunities.

11.0 COMPLIANCE WITH RELEVANT LEGISLATION

The Carbon Reduction Plan (CRP) for Arete Health Limited has been carefully structured to ensure full compliance with all relevant UK legislation, industry standards, and regulatory requirements. Achieving net-zero emissions by 2050 requires adherence to numerous legal frameworks and guidelines, and our plan aligns with these to ensure that all actions taken towards carbon reduction are legally sound and aligned with national goals. Below is a detailed breakdown of how the CRP aligns with specific laws, strategies, and regulations.

11.1 The Climate Change Act 2008

The Climate Change Act 2008 is the UK's landmark legislation for tackling climate change. It sets a legally binding target to reduce greenhouse gas emissions by at least 100% of 1990 levels (net-zero emissions) by 2050. The Act provides a framework for carbon budgeting and sets specific targets and reporting requirements for all sectors of the economy, including healthcare.

Compliance with the Climate Change Act 2008:

- Carbon Budgets: The Climate Change Act 2008 requires the UK to meet carbon reduction targets set every five years through carbon budgets. Arete Health Limited will align our carbon reduction targets with these national carbon budgets to ensure that we are making progressive steps towards achieving net-zero emissions.
- Decarbonization Pathway: In compliance with the Climate Change Act, we have set interim carbon reduction targets for the next five, ten, and twenty-five years, leading up to 2050. This ensures our contribution to the UK's overall decarbonization strategy is consistent with the national goals set out by the Act.
- Annual Reporting and Monitoring: Under the Act, organizations are expected to demonstrate their progress towards carbon reduction. Arete Health Limited will

adhere

to annual reporting guidelines to provide transparent progress updates on our carbon emissions reductions and the actions taken to achieve them.

11.2 Net Zero Strategy

The UK Government's Net Zero Strategy, published in 2020, outlines the national approach to achieving net-zero emissions by 2050. It includes detailed measures across various sectors of the economy, including energy, transport, buildings, and industry, with specific milestones to ensure progress is made over the years.

Compliance with the Net Zero Strategy:

- Alignment with National Goals: Our Carbon Reduction Plan aligns with the Net Zero Strategy's key objectives, including increasing energy efficiency, transitioning to renewable energy, and reducing emissions across all operations. Arete Health Limited will contribute to achieving the UK's net-zero goal through energy-saving technologies, sustainable procurement, and low-carbon transportation.
- Sector-Specific Actions: The Net Zero Strategy highlights the importance of sector-specific solutions. As a healthcare provider, Arete Health Limited will address energy consumption in healthcare facilities, medical equipment efficiency, waste reduction, and low-carbon procurement to support national decarbonization goals.
- Government Incentives: Arete Health Limited will utilize any government incentives or funding mechanisms identified in the Net Zero Strategy, including support for renewable energy adoption, energy efficiency programs, and low-carbon technologies.

11.3 CQC Regulations for Environmental Management

The Care Quality Commission (CQC) regulates healthcare services in England and ensures that organizations meet high standards of care, safety, and environmental sustainability. The CQC's regulatory framework includes environmental management standards, which require healthcare organizations to minimize their environmental impact, including reducing carbon emissions.

Compliance with CQC Regulations:

- Regulation 16 (Assessment of Need for Care and Treatment): CQC Regulation 16 mandates that healthcare organizations assess and mitigate their environmental impact as part of providing care. Arete Health Limited will ensure that our care planning processes incorporate environmental sustainability measures, such as minimizing energy use, waste, and carbon emissions while providing the best patient care.
- Regulation 17 (Good Governance): Regulation 17 requires healthcare organizations to demonstrate good governance, including the implementation of sustainable practices and compliance with environmental regulations. Arete Health Limited will embed sustainability into our governance structure, ensuring that carbon reduction initiatives are part of the organization's strategic decision-making processes and operations.
- CQC Inspections: As part of ongoing compliance, we will ensure that our carbon reduction practices are included in CQC inspections and reports, showcasing how we meet the CQC's environmental sustainability standards.

11.4 PPN 06/21 for Public Sector Procurement and Carbon Reduction

PPN 06/21 outlines requirements for public sector organizations to demonstrate carbon reduction efforts as part of their procurement processes. It mandates that public sector contracts

include carbon reduction plans and that suppliers provide detailed information on their sustainability efforts.

Compliance with PPN 06/21:

- Inclusion of Carbon Reduction Plans in Procurement: Arete Health Limited will integrate carbon reduction commitments into our procurement processes by requiring suppliers to submit carbon reduction plans as part of their tenders. This ensures that our supply chain supports our sustainability goals and reduces overall emissions.
- Sustainable Procurement Policy: Our procurement policy will prioritize suppliers that have demonstrated strong carbon management practices, ensuring that goods and services we purchase are in line with the carbon reduction goals outlined in PPN 06/21.
- Annual Carbon Reduction Reporting: In line with PPN 06/21 requirements, Arete Health Limited will annually report on our carbon emissions reductions and progress toward net-zero, ensuring that we meet the criteria for public sector contracts.

11.5 BEIS Guidance for Energy Efficiency and Emissions Reduction

The Department for Business, Energy & Industrial Strategy (BEIS) provides guidelines for energy efficiency, carbon reduction, and emissions management. These guidelines include specific measures for energy efficiency, carbon reporting, and reducing emissions in both public and private sectors.

Compliance with BEIS Guidance:

- Energy Efficiency: Arete Health Limited will adhere to BEIS guidelines on energy efficiency in healthcare facilities. This includes implementing energy-saving technologies, such as LED lighting, high-efficiency HVAC systems, and smart building systems. We will also ensure that our facilities and operations comply with the BEIS recommendations for reducing energy consumption and improving building performance.
- Carbon Reporting: In line with BEIS reporting requirements, Arete Health Limited will provide annual carbon emissions reports, including detailed data on energy consumption, carbon reduction initiatives, and emissions across Scope 1, Scope 2, and Scope 3. This will ensure we are in compliance with BEIS guidelines for organizational emissions reporting.
- Energy Performance Certificates (EPCs): Arete Health Limited will ensure that our healthcare buildings meet the BEIS standards for energy performance. This will include obtaining Energy Performance Certificates (EPCs) for our buildings and making improvements to meet or exceed the required energy efficiency standards.

11.6 Compliance with EA Monitoring and Regulations

The Environment Agency (EA) is responsible for monitoring and regulating environmental standards across the UK. This includes ensuring that organizations comply with laws related to emissions, waste management, and sustainability practices.

Compliance with EA Monitoring and Regulations:

- Carbon Monitoring: Arete Health Limited will adhere to EA’s monitoring guidelines to ensure that we accurately measure and report our carbon emissions. This will include using approved emissions factors, carbon tracking systems, and data collection standards in line with the EA's carbon accounting practices.

- Waste Management and Recycling: The EA also sets regulations for waste management, including guidelines on recycling, reducing waste to landfill, and ensuring proper waste disposal. Arete Health Limited will align our waste management strategies with EA standards, ensuring compliance with all relevant environmental regulations.
- Environmental Audits and Inspections: Arete Health Limited will cooperate with the EA during environmental audits and inspections to ensure that our operations are fully compliant with environmental laws and carbon emissions reduction regulations.

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