

Hamilton Region Decarbonization Hub Alignment to City Strategies

2021-2025 Economic Development Action Plan (PED21001):

Under Growing Business and Investment Priority Area:

- Priority 22: Identify opportunities to increase “social”, “local” and “green” Procurement
- Priority 30: Initiate and Implement an updated Advanced Manufacturing Sector Strategy – including Aerospace, Electrical & Autonomous vehicle opportunities

Under Moving Goods and People Priority Area:

- Priority 41: Complete Feasibility Studies for A-line, S-Line and remaining Higher Order Transit (BLAST) Corridors
- Priority 42: Expand Micro-mobility travel options such as Bike Share and E-scooters
- Priority 44: Continue to investigate the potential for On-Demand Transit Services to provide or supplement regular public transit services to, from and within employment areas and community nodes, using the Flamborough On-Demand Service as a pilot
- Priority 46: Update the Goods Movement Sector Strategy
- Priority 50: Encourage new development within the Airport and AEGD to incorporate District Energy Systems to reduce environmental impacts
- Priority 51: Work with Port partners to introduce environmentally sustainable options for cargo movement through container service and increased rail and intermodal operations.

Under the Revitalizing Priority Areas and Placemaking Priority Area:

- Priority 60: Re-envision the existing Hamilton LEEDing the Way Community Improvement Plan to better incentivize environmentally sustainable development and investments
- Priority 62: Revise incentive programs to support the achievement of climate change targets

Under the Building Transformational Projects Priority Area:

- Priority 73: Explore and implement decarbonization initiatives with Local Industry
- Priority 74: Promote Hamilton’s District Energy Systems to major construction projects as a climate change benefit and as a low-carbon alternative to traditional energy systems
- Priority 75: Encourage new development within the Airport and AEGD to incorporate District Energy Systems to reduce environmental impacts

Community Energy & Emissions Plan (CEEP) and the Climate Change Impact Adaptation Plan (CCIAP) (CM22016/PED22058(a)/HSC22030(a)):

The actions related to industrial emission includes:

- Action 1: Establish an Industrial Energy Efficiency and Decarbonization Working Group;
- Action 2: Establish a Clean-tech Accelerator; and
- Action 3: Expand Local Industrial Energy Management Training Programs.

Setting up the Hub will work to directly achieve the first two actions, with several spin-off benefits including potential training programs and developing the technology to support other additional actions described in the CEEP including:

- Action 8: Decarbonize the City’s Transit;
- Action 11: Establish a Commercial Fleet Decarbonization Working Group (aimed at decarbonizing commercial fleets across Hamilton)
- Action 18: Complete a Technical Analysis of Green Hydrogen; and
- Action 19: Decarbonize and Expand our District Energy Systems.

Advanced Manufacturing Strategy (PED23005)

Further enhancement of Hamilton as ‘business friendly’:

- Identify leading practices from international jurisdictions which have streamlined an efficient government approvals process for investment attraction (and decarbonization) that can be implemented in Hamilton
- Advocate for an assessment of Hamilton’s energy supply to identify/assess potential challenges identified by stakeholders and encourage the development of associated recommendations for improvement

Clean energy transition:

- Work with key stakeholders to develop an industry-focused decarbonization transition roadmap that supports local industry in achieving decarbonization targets by understanding areas of opportunity for reducing carbon emissions
- Working with key stakeholders, undertake a match-making exercise to connect innovative start-up companies focused on decarbonization with established companies focused on clean energy transition

Alignment with City initiatives:

- Further support the City’s focus on a low-carbon economy by continuing to promote decarbonization across the industry and including principles related to the transition across all manufacturing-related initiatives

Foreign Direct Investment (FDI) Attraction Strategy (PED23033):

Decarbonization technologies related advantages and opportunities:

- Development opportunities: As hydrogen is projected to represent 18% of global energy consumption by 2050, opportunities exist to leverage recent initiatives across Hamilton to support the clean energy transition in Canada and abroad.

- Growth opportunity: secure and expand Hamilton’s industrial capabilities, commitment to decarbonization, and growth in hydrogen demand put the City in a unique position to attract investment into a hydrogen supply chain and to support the expansion of the local alternative fuels ecosystem.
- Innovation hub: iHub’s reputation and resources position Hamilton to become a global destination to develop, test and commercialize EV technologies. By leveraging iHub’s work, Hamilton can support local subject matter experts (SMEs) and also ensure the adequate training of Hamilton’s EV workforce
- Growth opportunity: secure Hamilton should focus on securing local SMEs and supporting iHub’s work as well as attracting more investment into its growing EV motors sector.

Clean energy transition:

- The City of Hamilton has demonstrated a commitment to transitioning to clean and sustainable energy through initiatives such as the Hamilton Region Decarbonization Hub, ReCharge Hamilton, and ArcelorMittal Dofasco’s decarbonization commitments. These initiatives, along with federal and provincial ambitions will help to further develop local capabilities and attract private investment in this growing sector

Bayfront Industrial Area Strategy – Phase 2 (PED14117(d)):

- Recognizing The Bayfront’s role as a major industrial area, there is an opportunity to more aggressively offset the area’s GHG emissions through a combination of efforts – including but not limited to supporting green industry investments in new technology, energy-efficient building design, co-generation, district energy...
- important to continue to attract new industries which support Hamilton’s Steel Cluster by diversifying the value chain (e.g. automotive component manufacturing, downstream steel production, fabrication, coating, etc.), ultimately reinforcing the strength of Hamilton’s steel cluster.

2023 Priority Focus Areas for the Office of Climate Change Initiatives (PED23064):

- Climate Change Governance & Innovation focus area as well as supporting municipal corporate innovation via outcomes and work of the Hub’s proposed action teams specifically the buildings, transportation and manufacturing sectors.