

Energy and Conservation Implementation Steps (Draft 1.9.18)					
Implementation	Implementation Step	Strategy	Partners	Resources	Timing
<b>EC 1: Increase community involvement in decisions about energy and infrastructure investments.</b>					
EC-IS-1	Create an energy committee that can review annual reports, and provide guidance and accountability around energy and conservation efforts made by the City of Duluth	EC 1.1, EC 6.2	Energy Coordinator, Public Facilities	Staff, community members, non-profits, universities	2018
EC-IS-2	Decide on consistent sources for benchmarking energy use and methodology for estimates of emissions	EC 1.1, EC 6.2	Energy Coordinator, Great Plains institute, utility providers		2018
EC-IS-3	Incorporate data regarding the benefits (social, monetary, environmental, etc.) of different energy sources into ROI when considering investments.	EC 1.2			
EC-IS-4	Reach out to municipal and tribal leaders to establish a task force to plan the first energy forum and establish the procedure going forward for planning the forum annually	EC 1.3			2018
EC-IS-5	Establish and implement protocol for outreach to tribal leaders and Indigenous community members when making energy related decisions.	EC 1.4			
<b>EC 2: Provide incentives for developers to encourage green buildings and renewable energy use in new residential and commercial buildings.</b>					
EC-IS-6	Create clear and detailed UDC and zoning code standards for solar ready development and solar easements	EC 2.1	Planning Commission	Staff	2018
EC-IS-7	Establish task force made up of energy/green building experts, community members, developers, and members of energy committee (EC-IS-1) to revise the sustainability points system	EC 2.2, EC 3.2			2018-2020
<b>EC 3: Incentivize commercial, anchor institution, and large residential building/facility owners to reduce energy use and increase energy efficiency in existing buildings/facilities and community gathering spaces</b>					
EC-IS-8	Design a recognition program including marketing plan and promote a database/website for participants to track and publicize energy use	EC 3.1			
	See EC-IS-7	EC 3.2			
EC-IS-9	Consider public input and best practices to implement outdoor lighting policy.	EC 3.3	Energy and Conservation Committee	Energy Coordinator, Public Facilities department	2018-2035
EC-IS-10	Market case studies and information about programs and incentives including information about benefits of investing in renewable energy	EC 3.4	Financial Institutions, Business Development		2018-2035
<b>EC 4: Incentivize households and landlords to reduce energy use and increase residential energy efficiency.</b>					
EC-IS-11	Include energy use comparisons to similar types of housing in customers' neighborhood on monthly utility bills	EC 4.1	Comfort Systems, Minnesota Power		
EC-IS-12	Research and commit funding resources for housing rehabilitation funds that can be used to update low - moderate income residents homes with energy efficient windows, and utilities.	EC 4.2	Nonprofits, state and federal programs	City Staff	2018-2035
EC-IS-13	Widely publicize a low fee (no fee for low income households) home visit program to install low cost energy conservation materials such as low flow faucet aerators and energy efficient light bulbs in residential units.	EC 4.2, EC 4.3	Duluth Energy Coalition, Comfort Systems, Engineering, Public Facilities, Minnesota Power		2018-2035
EC-IS-14	Establish a public setting, such as a website, social media page, or paper mailing to list current rebates, low-efficiency loans and affordable energy retrofit programs that is updated regularly.	EC 4.3			2018-2035
EC-IS-15	Implement an energy audit and average energy use disclosure policy for rental properties linked to the issuance or renewal of rental licenses to inform potential tenants of the relative energy efficiency of housing and to encourage landlords to increase the energy efficiency of their properties.	EC 4.4	Landlords Association, Fire Dept- Life Safety		
EC-IS-16	Promote resources, such as Duluth Shines, that homeowners can use to research investments in renewable energy	EC 4.4	Eco3	City staff	2018-2035
<b>EC 5: Encourage community-wide investment in appropriate local renewable energy sources, including solar, wind, and biomass.</b>					
EC-IS-17	Determine development sites for wind and solar energy resource locations and conduct feasibility studies for potential sites	EC 5.1, EC 5.2	Duluth Energy Coalition, Eco3, MN Power		2018-2022
EC-IS-18	Identify biomass resources in and around the City, and conduct feasibility studies for expanded or new use of biomass to substitute for non-renewable fuels.	EC 5.2			
EC-IS-19	Update UDC to provide bonus points for developing renewable energy generation in otherwise unusable locations	EC 5.2	Planning	Staff	2018
EC-IS-20	Create and maintain an energy portfolio for the corporate city that identifies the sources of energy used	EC 5.3			2018
EC-IS-21	Utilize energy portfolio (EC-IS-20) to set goals and inform decisions about future energy investments	EC 5.3			
EC-IS-22	Market existing programs for low-to-moderate income residents	EC 5.4			

EC-IS-23	Research and implement additional programs (city owned utilities)	EC 5.4			
EC 6: Adopt energy efficiency and energy saving targets for City owned facilities and City operations.					
EC-IS-24	Work with energy committee to establish accountability measures for goals in final corporate city energy plan	EC 6.1	Energy Committee, Energy Coordinator		2018-2035
	See EC-IS-1 and EC-IS-2	EC 6.2			
EC-IS-25	Publish energy use and emissions estimates for City operations annually	EC 6.2	Energy Coordinator, Energy Committee		2018-2035
EC-IS-26	Study best practices to inform a policy that utilizes a holistic return on investment for repairs and maintenance.	EC 6.3			
EC-IS-27	Develop the criteria with community engagement/collaboration, including energy committee.	EC 6.4			
EC 7: Increase efficiency of utilities and services.					
EC-IS-28	Research best practices for gas utility energy savings and expand existing programs/implement new programs based on findings	EC 7.1			
EC-IS-29	Establish interim goals and official policies and procedures for improving efficiency during water system repairs and upgrades	EC 7.2	Energy Committee, Public Utilities Commission		
EC-IS-30	Review study, consider holistic return on investment (monetary, social, environmental, etc.), and move forward with best option for Steam Plant	EC 7.3			
EC-IS-31	Research best practices for curbside composting programs and implement the best system for Duluth	EC 7.4	WLSSD		