

Sustainability Plan Progress Report - First Quarter 2018

Strategy	Timeline	Lead	Status (Not started, In progress, Completed, Ongoing)				Notes/Data
			Q1	Q2	Q3	Q4	
AQ-1: INCREASE INSPECTIONS OF EMISSIONS FROM OIL AND GAS SITES	Immediate	Natural Resources	In progress				1) Assisted Boulder County on party status in the flowline rulemaking, which was successful in accomplishing new regulations addressing oversight of flowline and related infrastructure associated with oil and gas development in February 2018. 2) Completed Optical Gas Imaging certification course to perform leak detection inspections, which is a requirement to use the Regional Air Quality Council's FLIR camera. 3) Submitting budget request to purchase a FLIR camera establish a programmatic leak detection inspection assessment. 4) Pilot with Alert Plus technology to establish a real-time air and soil vapor monitoring system. Sensors on order and pilot system expected to be online by April/May 2018. 5) P&A well site investigations with Terracon on-going throughout 2018 to include 5 additional locations. 6) Submitting budget request for additional funds to continue well site investigations including but not limited to: groundwater monitoring, soil vapor monitoring, soil and water sample analysis, and necessary remediation of detected contaminants.
AQ-2: EXPAND AIR QUALITY INFORMATION AND MONITORING	Near-term	Environmental Services	In progress				1) Installed real-time air quality widget on Sustainability webpage 2) Started researching ozone monitors
AQ-3: DEVELOP AN OZONE REDUCTION INCENTIVE AND ENFORCEMENT PROGRAM	Near-term	Environmental Services	Started				1) Conversations held with SVVSD, BVSD, American Lung Association and Boulder County Public Health to discuss coordinating anti-idling campaign in 2019
BI-1: EXPAND INDOOR AIR QUALITY TESTING PROGRAM	Immediate	Environmental Services	In progress				1) Researching CO2 monitors 2) Council made proclamation setting January as radon action month
BI-2: PRESERVE, IMPROVE, AND REHABILITATE EXISTING AFFORDABLE HOMES	Near-term	Community Sevices	Ongoing				1) Met with staff in various departments to discuss how best to collaborate and cross-promote programs that support affordable housing and utility cost burden. First step is to explore shared outreach materials. 2) In 2017, 5 homes were fully rehabilitated totalling \$113,400 in city investment. The program requires all appliances and housing elements to be Energy Star rated. Many energy efficient items were upgraded/installed including low flow toilets, low E double paned windows, furnaces with at least 80% efficiency, insulated solid core exterior doors with weatherstripping, and energy star rated water heaters.
BI-3: DEVELOP AND IMPLEMENT A PROCESS TO INCORPORATE SOCIAL EQUITY INTO PRIORITIZING INFRASTRUCTURE IMPROVEMENTS	Near-term	Environmental Services	In progress				1) Will work in collaboration with Envision strategies 2.4, 2.16, 3.2 to define criteria and process for infrastructure improvements 2) Revised language of strategy to clarify that this strategy is focused more on developing a process to incorporate social equity than identifying infrastructure projects
BI-4: REQUIRE LIFE CYCLE COST AND SUSTAINABILITY ANALYSES FOR ALL CITY OF LONGMONT PROJECTS AND PROGRAMS	Near-term	Environmental Services	In progress				1) Finalizing the tool - met with Community Services to feedback on inclusion of equity and community engagement in tool, and with Resiliency Specialist to align the tool with the Resilient Design Performance Standards. 2) Developing schedule for applying tool to 2018 CIP projects.
BI-5: REVISE AND UPDATE THE CITY OF LONGMONT DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS TO INCLUDE SUSTAINABILITY	Immediate	Engineering	Not started				
C-1: EXPAND EXISTING NEIGHBORHOOD PROGRAMS TO ENHANCE SUSTAINABILITY, RESILIENCY, AND QUALITY OF LIFE	Immediate	Community Sevices	In progress				1) Set up monthly meetings with Environmental Services and Community Services to develop 2018 workplan focused on neighborhood-based sustainability 2) Received \$15,000 grant from Boulder County to work with CU Energy and Climate Justice program to pilot FLOWS - a program focused on building community capacity and knowledge of sustainability and climate issues.
C-2: INCORPORATE THE CITY OF LONGMONT'S COMMUNITY ENGAGEMENT MODEL INTO ALL CITY PLANS AND PROJECTS	Immediate	CMO	In progress				1) CMO intern working to finalize update to Community Involvement manual
C-3: COLLABORATE WITH ST. VRAIN VALLEY SCHOOL DISTRICT ON A PREPAREDNESS AND RESILIENCE SITE	Mid-term	LPC	Started				1) Started conversations with SVVSD about possible opportunities at the new Innovation Center
EV-1: WORK WITH LOCAL ECONOMIC DEVELOPMENT ORGANIZATIONS TO SUPPORT LOCAL BUSINESSES AND ATTRACT AND EXPAND GREEN INDUSTRY/CLEAN TECH JOBS	Immediate	Environmental Services	In progress				1) Established definition of and criteria for green/clean tech businesses; reviewed and documented existing green/clean tech businesses in Longmont 2) In process of hiring Economic Sustainability Specialist to support implementation of Economic Viatlity strategies
EV-2: CREATE A LONGMONT SUSTAINABLE BUSINESS RECOGNITION PROGRAM	Immediate	Environmental Services	In progress				1) Conducted focus group of businesses in August to discuss the structure and incentives of the program 2) Developing framework for a Longmont program to beta test once the Economic Sustainability Specialist is hired
EV-3: REINSTATE THE POLLUTION PREVENTION PROGRAM	Near-term	Environmental Services	Not started				
EV-4: ESTABLISH AND PROMOTE A CITY OF LONGMONT INTERNAL SUSTAINABLE PURCHASING POLICY	Near-term	CMO - Purchasing	In progress				1) Sustainability Coordinator is reviewing findings of Purchasing Manager and will recommend how extensive this policy should be based on research
EV-5: IDENTIFY NEEDS, BARRIERS AND OPPORTUNITIES TO ESTABLISH EQUITABLE ACCESS FOR UNDERUTILIZED, UNDER-REPRESENTED, AND/OR MULTI-CULTURAL BUSINESSES AND SUPPORT THROUGH EXPANDED PROGRAMMING	Near-term	Environmental Services	Not started				
EV-6: PARTNER WITH LOCAL EDUCATIONAL INSTITUTIONS TO CONNECT SUSTAINABILITY KNOWLEDGE AND WORKFORCE NEEDS	Near-term	Environmental Services	Not started				

E-1: REVIEW ENERGY EFFICIENCY IMPROVEMENT AND RENEWABLE ENERGY GENERATION OPPORTUNITIES FOR MUNICIPAL FACILITIES	Immediate	Environmental Services	In progress				<p>1) Developing mini master plans for golf courses to summarize potential opportunities and information and decisions about those opportunities. This will include the results of the Efficiency Works energy efficiency audit for Twin Peaks Golf Course that was performed mid 2017.</p> <p>2) In October 2017, the Wastewater Treatment Plant &amp; Solid Waste issued an SOQ for the Biogas Treatment and Vehicle Fueling Station project. The project is anticipated to be completed in late 2018 to early 2019. The City was awarded an ALT Fuels Colorado Vehicle Grant to purchase CNG sanitation trucks. The City has applied for a \$1 million grant through DOLA's Energy/Mineral Impact Assistance Fund program to offset capital costs of biogas treatment and vehicle fueling infrastructure.</p> <p>3) Environmental Services is in discussion with PRPA and LPC to look at possible energy efficiency incentives that could offset capital costs at the Wastewater Treatment Plant to replace existing aeration blowers with high efficiency turbo blowers.</p> <p>4) Nexant conducted technical energy assessment of Service Center, including the warehouse, to identify energy efficiency and water conservation improvements</p>
E-2: CONTINUE TO PROVIDE ENERGY EFFICIENCY OUTREACH AND INCENTIVES FOR ALL ENERGY USERS	Immediate	LPC	Ongoing				LPC Staff continues to provide outreach and education in Longmont for energy efficiency upgrades and assessments for all energy users. This is done through events, website information and direct contact between staff and electric customers.
E-3: CONTINUE TO PROVIDE AND INCREASE PARTICIPATION IN A CONTRACTOR ENERGY EFFICIENCY TRAINING PROGRAM IN PARTNERSHIP WITH PLATTE RIVER POWER AUTHORITY	Immediate	LPC	Ongoing				Two Efficiency Works contractor trainings were hosted by LPC in 2017. In addition, local contractors had the opportunity to attend trainings in Loveland and Fort Collins through the regional Efficiency Works program. There are currently two training sessions scheduled in Longmont for 2018, Energy Efficiency 101 on May 24th and Emerging Technologies on October 25, 2018.
E-4: CONTINUE COLLABORATION WITH ENERGY OUTREACH COLORADO TO EXPAND ENERGY SERVICES FOR LOW-INCOME HOUSEHOLDS	Immediate	LPC	In progress				
E-5: PREPARE A LOCAL GREENHOUSE GAS EMISSIONS BASELINE INVENTORY AND FORECAST	Immediate	Environmental Services	In progress				1) Finalized greenhouse gas reduction targets and associated strategies. Next step is to do a cost/resource analysis to identify what level of resources will be needed to meet greenhouse gas reduction goals.
E-6: EXPAND AWARENESS AND PARTNERSHIP OPPORTUNITIES FOR SOLAR INSTALLATIONS AND RENEWABLE SUBSCRIPTIONS	Near-term	LPC	Ongoing				<p>1) Longmont was awarded SolSmart Bronze designation.</p> <p>2) PRPA and its four communities are exploring several options for expanding their solar portfolio in the future.</p>
FS-1: ENCOURAGE AND SUPPORT AGRICULTURAL RESEARCH IN BOULDER COUNTY	Immediate	Natural Resources	In progress				Following Boulder County's research proposals
FS-2: IDENTIFY BARRIERS AND OPPORTUNITIES FOR LOCAL FOOD PRODUCTION	Near-term	Environmental Services	Not started				
FS-3: ENCOURAGE AND SUPPORT THE BOULDER COUNTY RESOURCE CONSERVATION BOARD IN PURSUING CARBON SEQUESTRATION STUDIES	Immediate	Environmental Services	In progress				1) CSU completed their feasibility study researching applicable carbon sequestration strategies for Boulder County and presented findings to the public in March 2018. Phase 2 is to identify test sites and begin longer-term field research to understand opportunities and impacts of carbon sequestration strategies.
FS-4: EXPAND CONNECTIONS BETWEEN LOCAL FOOD PRODUCERS AND AREAS/ POPULATIONS IN NEED	Near-term	Environmental Services, Community Services	In progress				1) Met with Community Services in 2017 to discuss implementation - they will convene a meeting focused on food and sustainability with LiveWell Longmont, Growing Gardens, local producers, Our Center, Youth Services, and others to discuss opportunities for collaboration, needs, and next steps.
FS-5: SUPPORT AND EXPAND GARDEN TO CAFETERIA PROGRAM OPPORTUNITIES	Near-term	Environmental Services, Community Services	Not started				
FS-6: SUPPORT THE ESTABLISHMENT OF COMMUNITY FOOD PROCESSING AND STORAGE FACILITIES IN PARTNERSHIP WITH BOULDER COUNTY	Mid-term	Environmental Services, Community Services	Not started				
NE-1: WORK WITH COMMUNITY PARTNERS TO PROMOTE EDUCATION AND AWARENESS ABOUT WATER-WISE LANDSCAPING AND INTEGRATED PEST MANAGEMENT PRACTICES ON PRIVATE PROPERTIES	Immediate	Environmental Services, Parks and Open Space	In progress				1) 2018 budget request approved for 0.5 FTE Volunteer Coordinator to help support this effort
NE-2: UPDATE THE TREE CANOPY MANAGEMENT AND REPLACEMENT PLAN	Immediate	Forestry	In progress				<p>1) 2008 Tree Canopy Study - 8% with potential of 47%. Goal is to increase Urban Canopy. Defined objectives moving forward:</p> <p>Forestry to increase tree planting efforts on public property - approx 300 to 400 trees annually.</p> <p>Arbor Day Tree Sale - increase sale quantity to 225 trees and limit sale to residents only.</p> <p>Look for other avenues to increase local tree planting - Service Groups such as Rotary.</p> <p>Complete a new Tree Canopy Study by 2020 and re-evaluate every 10 years.</p>
NE-3: CONTINUE AND INCREASE PARTICIPATION IN EXISTING VOLUNTEER PROGRAMS	Immediate	Open Space	Ongoing				1) Hiring process for 0.5 FTE Volunteer Coordinator underway
NE-4: UPDATE THE OPEN SPACE MASTER PLAN	Immediate	Open Space	In progress				1) Open Space Master Plan planning process underway - 2 public meetings held; draft plan in progress - going to PRAB on 5/16
NE-5: UPDATE THE WILDLIFE MANAGEMENT PLAN	Near-term	Open Space	Not started				
NE-6: CREATE AND IMPLEMENT A PLAN TO RESTORE AND REMEDIATE DAMAGED ECOLOGICALLY SENSITIVE AREAS AND CRITICAL CORRIDORS AND HABITAT AREAS	Mid-term	Open Space	Ongoing				1) Ongoing efforts to treat and remove noxious weeds; ongoing plant propagation program - restoration efforts to seed these areas and incorporate a greater percentage of forbs (herbaceous flowering plant) into these mixes for the purpose on enhancing pollinator habitats.

T-1: CONTINUE THE RIDE FREE TRANSIT PROGRAM	Immediate	Planning and Development Services	Ongoing				1) City conducted survey in 2017 to get resident, Council/TAB and City staff feedback on program--over 67% indicated the program should continue. The program is funded through 2018 and being programmed for continued funding in 2019.
T-2: COORDINATE WITH RTD TO EXPAND SERVICE AND HOURS TO KEY COMMUNITY LOCATIONS	Near-term	Planning and Development Services	In progress				1) RTD continuing with SH-119 Bus Rapid Transit study Public meetings were held last November, with excellent turn out from Longmont residents and businesses. RTD is considering high-frequency bus service (every 15 minutes) between Longmont and Boulder in designated lanes, along with higher frequency (every 15 minutes) local bus service to supplement the BRT service along Main Street and the Diagonal Highway.
T-3: DEVELOP A FLEET EFFICIENCY AND ALTERNATIVE FUELS PLAN	Near-term	CMO - Fleet	In progress				1) Environmental Services staff was awarded an ALT Fuels Colorado Vehicle Grant (see E-1) to purchase CNG sanitation trucks 2) Current fleet inventory under review to identify opportunities for replacement vehicles, funding mechanisms, and regional/national collaborations
T-4: COORDINATE WITH REGIONAL PARTNERS ON PUBLICIZING CAR/VAN POOLING	Near-term	Planning and Development Services	In progress				1) Worked with partners at Smart Commute Metro North (North Metro Transportation Management Organization) to begin the discussion of how to publicize the carpool opportunities available to City of Longmont employees. Hope to get a CLU course organized in 2018 with possibility to expand to other businesses in the community. Will utilize our partners at Commuting Solutions (Northwest Metro Area Transportation Management Organization) to do the same.
T-5: SUPPORT GROWTH IN ACTIVE TRANSPORTATION	Near-term	Environmental Services, Planning and Development Services	Ongoing				1) Enhanced Multi-use Corridor (EMUC) study accepted by City Council in 1Q. Moving to implementation of study through the 2019 budget process.
T-6: AUDIT ALL TRANSIT STOPS TO EVALUATE ACCOMMODATION NEEDS OF ALL RESIDENTS AND PRIORITIZE IMPROVEMENTS	Mid-term	Environmental Services, Planning and Development Services	In progress				1) Started evaluating the stops with amenities in the City. Developing a list of deficient sites that may allow new shelters or advertising benches (with anticipated changes in the Land Development Code allowing advertising benches in the ROW).
WA-1: BUILD SUPPORT FOR PARTICIPATION IN THE CURBSIDE COMPOSTING PROGRAM	Immediate	Sanitation, Environmental Services	Ongoing				1) To date, 3,893 customers have subscribed to the composting program; in addition, 2373 have switched from large (96 gallon) to smaller trash container (48 gallon), and 1844 have switched to every other week (EOW) service. 2) New Silver Creek Leadership Academy student doing capstone project focused on youth engagement in zero waste efforts at SVVSD, as well as promoting the curbside composting program to SVVSD student households through events and other outreach 3) Waste characterization study completed 4) Initiated new marketing strategies to raise awareness to reducing trash and participating in compost program
WA-2: DEVELOP A STRATEGIC WASTE MANAGEMENT PLAN WITH REGIONAL PARTNERS	Near-term	Sanitation, Environmental Services	In progress				1) Met with Boulder County officials to discuss potential collaboration for wood waste, C&D and organics management. Boulder County staff have looked at sites near/around Longmont. No further progress in Q1
WA-3: INCREASE PUBLIC EDUCATION AND AWARENESS ABOUT WASTE REDUCTION AND DIVERSION OPPORTUNITIES	Near-term	Sanitation, Environmental Services	In progress				1) We are working on a process to determine waste consumption and diversion for city facilities. Charlie will develop a log sheet for sanitation staff to track how many dumpsters they're picking up, how full they are, and then extrapolate weight based on volume. Charlie will put together a spreadsheet detailing facilities and what bins they have currently, what's in the works, etc.; will pull compost data from Eco-Cycle. 2) Charlie working with custodians and some facility managers to analyze what we're doing currently, then setting up with whatever they need to recycle and compost; Charlie has completed upgraded bins at the Service Center and Fleet buildings, August meeting with Civic Center staff. Charlie has completed trainings for Service Center and Fleet building staff on how to properly use bins and answer questions. Charlie has also worked with the warehouse manager to eliminate the roll off for general waste disposal from the warehouse and LPC and replaced them with diversion specific bins for metal and wire, cardboard, single stream recycling and clean wood waste. He is currently working with the Centennial Pool staff and adding compost and recycling throughout the facility 3) The warehouse is now stocking a full line of eco-friendly, compostable products, for departmental functions or City events. An email went out to city staff notifying people of this opportunity and included information about the Sustainability Plan to educate staff of sustainability goals. 4) Sanitation has been working to improve its outreach and marketing and will be launching a new marketing strategy to the public that includes "reduce your waste" campaign in the Spring, a new character logo and a series of Op Ed pieces that will be published regularly on topics related to educating and awareness for waste diversion. 5) New outreach marketing has begun which includes new brand marketing, Character development, 21 day Challenge and direct school outreach in the SVVSD
WA-4: PROVIDE WASTE DIVERSION OPPORTUNITIES AND EDUCATION FOR ST. VRAIN VALLEY SCHOOL DISTRICT	Near-term	Sanitation, Environmental Services	In progress				1) Met with Eco-Cycle and SVVSD to discuss bringing on two new Green Star schools in 2018 2) Eco-Cycle launched the Green Star Schools program in Altona Middle School

WA-5: INCORPORATE DIVERSION TARGET FOR CITY CONSTRUCTION PROJECTS AND LONGMONT URBAN RENEWAL AUTHORITY (LURA) PROJECTS INTO STANDARD CONTRACT LANGUAGE	Near-term	CMO - Purchasing					1) Will continue to meet with engineering to discuss incorporating more waste recovery, reuse and recycling into our CIP projects. We already reuse concrete and asphalt from street projects but we would like to explore how to expand that idea to more materials in construction projects (when it makes sense), establish a process of evaluating structures for reuse, and craft some applicable language for our standards and specifications. Purchasing is in the process of reviewing and revising Construction General Conditions and Contracts and will look to adding appropriate language to encourage these goals. These requirements should be compatible with the overall Environmentally Preferable Purchasing Policy to be written in 2018. Need guidance from City Leadership and Engineering on the verbiage and extent of these requirements. 2) Provided input to development code revisions to include " equal space requirements " on new and redevelopment processes.
WA-6: ADOPT A COMMERCIAL RECYCLING ORDINANCE THAT INCLUDES MULTI-FAMILY UNITS	Mid-term	Sanitation, Environmental Services	Started				1) 95% participation from private haulers service Longmont. Annual reports have been submitted through Re-TRAC
WA-7: INCREASE HAZARDOUS/ E-WASTE/ MATERIALS DROP-OFF OPPORTUNITIES	Mid-term	Sanitation, Environmental Services	In progress				1) Met with internal team to discuss hard to recycle materials and illegal dumping. Holly added two Recycling Directories to the Hard to Recycle webpage. One is for EcoCycle, which focuses on options here in Boulder County. The other is for the Environmental Protection Agency, which lists national retailers that offer electronic recycling and provides links to other national recycling databases. Holly created a draft illegal dumping webpage that is out for review. 2) Exploring partnerships with private entities to collectively address this issue. 3) RCAB has initiated a small group of BC stakeholders to evaluate electronic/HTR item recycling and disposal opportunities. 4) Sanitation manager participating with CFR's efforts in a statewide approach for electronics disposal. The initial meeting discussed a variety of strategy options including producer responsibility, electronics disposal fee at point of purchase and increased education to residents regarding electronics disposal. The group settled on developing education and outreach information.
WA-8: ESTABLISH A CONSTRUCTION DEMOLITION WASTE INCENTIVE PROGRAM	Mid-term	Planning and Development Services	Not started				
W-1: COMPLETE A WATER CONSERVATION MASTER PLAN UPDATE AND IMPLEMENT IDENTIFIED STRATEGIES	Immediate	Water Resources	In progress				1) The Water Efficiency Master Plan Update was completed, approved by Water Board and City Council and has been submitted to the Colorado Water Conservation Board for final approval (expected mid 2018). 2) Staff have also met with Fort Collins and PRPA to discuss modeling water rebate program integrated into Efficiency Works for commercial customers. 3) 2018 water conservation program elements underway.
W-2: DEVELOP STRATEGIES ON LEAK DETECTION AND REPAIR TO INCLUDE IN UPCOMING WATER CONSERVATION MASTER PLAN	Immediate	Environmental Services	In progress				Rather than including specific details for leak detection strategies in the Water Efficiency Plan, a general statement for evaluating and implementing leak detection strategies was determined to be more representative of Longmont's current situation. The specific strategies can be identified once progress is made in installing electronic meters and understanding the existing system wide water loss through an standardized water audit and included in future water conservation Master Plan updates.  Ultimately the goal is to have meters electronically relay incremental data through "gateways" to show real time data on a public facing real-time data portal. This will allow leaks at the service connection to be detected sooner. This does not help detect leaks on the mains within the distribution system. In the future, the plan is to look at performing a water audit per the AWWA standard.  Meters are being replaced with those that can electronically relay data on the current meter change out schedule; this is approximately 9% of the meters each year. As of July 2017, there were 27,946 meters with 10,361 being electronic. Propagation studies are underway to ensure adequate receiver coverage and two test gateways are currently in use.
W-3: DEVELOP A STRATEGIC WATER QUALITY IMPROVEMENT AND ENFORCEMENT PLAN FOR CONSECUTIVE SYSTEMS	Mid-term	Environmental Services	Not started				
W-4: COORDINATE WITH BOULDER COUNTY PUBLIC HEALTH ON MODEL GREYWATER (WATER REUSE) ORDINANCE	Mid-term	Water Resources	Not started				

W-5: CREATE AN ACTIVE WATERSHED MANAGEMENT PROGRAM	Mid-term	Environmental Services	In progress				<p>The City of Longmont has multiple monitoring programs and data sharing efforts and is working towards expanding these on a watershed level. Longmont has an internal watershed monitoring program and participates in a collaborative effort with Northern Colorado Water Conservancy District's (NCWCD). The internal watershed program aims to gather data on the drinking sources, streams, and stormwater. The NCWCD program focuses on emerging contaminants on the drinking water sources.</p> <p>In 2017, the Keep It Clean Partnership (KICP) decided to shift focus from primarily stormwater to overall watershed. Part of the shift to a watershed focus is coordinating more data sharing with stakeholders within our watershed. There will be a stormwater portion, but the overall emphasis will be watershed related. The KICP coordinator position has been filled by Kevin Peterson. In an effort to begin evaluating what the KICP watershed focus will be, he has attended various watershed related meetings and completed interviews with each of the partners.</p> <p>Longmont staff met with the Left Hand Watershed Oversight Group (LWOG) to discuss opportunities for shared monitoring. At this time more discussion is needed to determine the</p>
W-6: INCORPORATE WATERSHED PROTECTION PLAN INTO UPCOMING BUTTON ROCK FOREST STEWARDSHIP PLAN	Mid-term	Environmental Services	Not started				