

# Welcome to the CDP-ICLEI Unified Reporting System 2021

## **0. Introduction**

(0.1) Please give a general description and introduction to your city including your city's reporting boundary in the table below.

	Administrative boundary	Description of city
Please complete	City / Municipality	The city of Allentown is located in Lehigh County, Pennsylvania. Founded in 1762, it is the third largest city in Pennsylvania, and the fastest growing major city in the state. It was one of only six communities in the country to be names a "national success story" in April 2016 by the Urban Land Institute for its downtown redevelopment and transformation that has generated over \$1 billion in new projects.

## **City Details**

(0.3) Please provide information about your city's Mayor or equivalent legal representative authority in the table below.

	Leader title	Leader name	Current term end year
Please complete	Mayor	Raymond O'Connell	2022

(0.4) Please select the currency used for all financial information disclosed throughout your response.

USD US Dollar

(0.5) Please provide details of your city's current population. Report the population in the year of your reported inventory, if possible.

	Current population	Current population year	Projected population	Projected population year
Please complete	121,433	2018		2030

(0.6) Please provide further details about the geography of your city.



	Land area of the city boundary as defined in question 0.1 (in square km)		
Please complete	17.55		

## **1. Governance and Data Management**

## Governance

(1.0) Please detail sustainability goals and targets (e.g. GHG reductions) that are incorporated into your city's master plan and describe how these are addressed in the table below.

Sustainability goals and targets	Description
Intending to incorporate sustainability goals and targets into the city's master plan in in the next 2 years	<ul> <li>Allentown's most recent comprehensive plan titled "Allentown Vision 2030" contains a variety of sustainability goals including:</li> <li>1. Enhance transportation accessibility and connectivity;</li> <li>2. Develop a green infrastructure master plan;</li> <li>3. Create a climate action plan that integrates with regional plans;</li> <li>4. Link Allentown's parks and green spaces through a network of safe, walkable and bikeable greenways and urban trails;</li> <li>5. Create inventory of urban lots suitable for community gardening;</li> <li>6. Connect residents to opportunities to reduce their energy usage, cultivate their own food and enhance the natural environment.</li> </ul>

## (1.6) Please provide information on the overall impact of COVID-19 on climate action in your city.

	Impact of COVID-19 on climate action in your city	Comment
Respons e	Other, please specify Pandemic-related difficulties and staffing shortages delayed progress on implementing actions under the Vision 2030 plan	Progress on some elements of Allentown's climate action planning will be contingent on regional planning progress by the Lehigh Valley Planning Commission as the City seeks to integrate its plan with the regional plan.

# (1.7) Please provide information specifically on the impact of the COVID-19 economic response on climate action in your city and synergies between COVID-19 recovery interventions and climate action.

	Impact of COVID-19 economic response on city's budget for financing climate action in your city	COVID-19 recovery interventions and climate action synergies	Explanation
Respons e			



## 2. Climate Hazards and Vulnerability

## **Climate Risk and Vulnerability Assessment**

## (2.0) Has a climate change risk and vulnerability assessment been undertaken for your city?

Do not know

## **Climate Hazards**

(2.1) Please list the most significant climate hazards faced by your city and indicate the probability and consequence of these hazards, as well as the expected future change in frequency and intensity. Please also select the most relevant assets or services that are affected by the climate hazard and provide a description of the impact.

(2.2) Please identify and describe the factors that most greatly affect your city's ability to adapt to climate change and indicate how those factors either support or challenge this ability.

Factors that	Indicate if this factor	Level of degree to which factor	Please describe how the
affect ability	either supports or	challenges/supports the adaptive	factor supports or
to adapt	challenges the ability	capacity of your city	challenges the adaptive
	to adapt		capacity of your city

(2.3) Is your city facing risks to public health or health systems associated with climate change?

Do not know

## 3. Adaptation

## **Adaptation Actions**

(3.0) Please describe the main actions you are taking to reduce the risk to, and vulnerability of, your city's infrastructure, services, citizens, and businesses from climate change as identified in the Climate Hazards section.

Action Stormwater management policy

Action title



#### Stormwater Management

#### Status of action

Implementation

### Means of implementation

Education Awareness raising program or campaign Stakeholder engagement Assessment and evaluation activities Development and implementation of action plan Policy and regulation

#### Co-benefit area

Enhanced climate change adaptation Improved resource quality (e.g. air, water)

#### Sectors/areas adaptation action applies to

Water

#### Action description and implementation progress

The city's stormwater management program is comprised of many elements to reduce runoff volume, pollution and localized flooding, while promoting public safety and improving the water quality of the streams and the Lehigh River which flow through Allentown. Long-range goals of the program include upgrading or replacing aged infrastructure, understanding and addressing stream impairments, and educating and partnering with the community. The program includes creation of a Green Stormwater Infrastructure Committee which has developed a stormwater utility fee following extensive public outreach conducted at neighborhood meetings throughout the City with the assistance of local group leaders. An Infrastructure Credits and Incentives Program has been developed which uses a tiered system to promote the voluntary installation of bmps that provide more efficient treatment of stormwater go above and beyond land development/ Chapter 102 requirements.

The City is in the process of developing a Community Engagement Program. Allentown residents and businesses will be able to apply for City funding to implement projects that will reduce the pollution of stormwater and ultimately improve the water quality of our streams and rivers. The goal of the program is to provide an incentive for the community to voluntarily implement stormwater stewardship practices that will help the City meet long-term water quality targets. Under the program, the City will pay a portion (and sometimes all) of the cost for a property owner to install approved practices that reduce pollution and flooding. Metrics are tracked as data is calculated for all voluntarily installed BMPs which reduce pollutants as measured in pounds per year. Additionally, this program allows for funding to allow for the development of educational outreach opportunities for the community to include residents and school children. One type of outreach activity, for example, includes rain barrel giveaways. As part of its protocol



under the Public Outreach Program, the Stormwater Bureau identifies groups and tracks all outreach activities and the metrics involved with each to include surveys and distributed materials.

#### **Finance status**

Finance secured

### Majority funding source Local

Total cost of the project (currency)

## Total cost provided by the local government (currency)

Total cost provided by the majority funding source (currency)

### Web link

https://www.allentownpa.gov/Public-Works/Stormwater

#### Action

Incorporating climate change into long-term planning documents

#### Action title

Climate components of Allentown Vision 2030

#### Status of action

Implementation

#### Means of implementation

Development and implementation of action plan

#### **Co-benefit area**

Enhanced resilience Disaster preparedness Enhanced climate change adaptation Reduced GHG emissions Improved resource efficiency (e.g. food, water, energy) Social inclusion, social justice Improved resource quality (e.g. air, water) Improved public health



Resource conservation (e.g. soil, water) Ecosystem preservation and biodiversity improvement Improved access to and quality of mobility services and infrastructure Shift to more sustainable behaviours

### Sectors/areas adaptation action applies to

Energy Transport (Mobility) Building and Infrastructure Industry ICT (Information and Communication Technology) Spatial Planning Water Waste Public Health and Safety Social Services

### Action description and implementation progress

In 2019 Allentown finalized its next 10-year comprehensive plan, titled "Allentown Vision 2030" which provides a strategic framework for the next decade of growth. The plan was developed with significant stakeholder engagement and input. It describes five Urban Systems as a comprehensive way to understand the City of Allentown, and to encompass many different forces and factors that make up the systems of the city. Under each system is a set of principles and policies, projects, and programs that will enhance these systems.

The five Urban Systems are:

**Economic Development Housing** 

Accessibility and Connectivity Services and Amenities

Living Systems

Under each Urban System, there is a list of Principles and corresponding actions under the principles. The Principles can be defined as the goals for each System. The actions that accompany each Principle detail how the goals will be accomplished. Climate components are woven into many portions of the plan, especially in the Living Systems section of the plan. These include a wide array of goals and principles to mitigate the City's climate impacts, increase climate resilience and adapt to the currently changing climate. The Plan provides a coordinated and collaborative approach for City Departments and Bureaus, our public, private, nonprofit, and institutional partners to work together on Plan implementation. Implementation of some elements (such as a comprehensive zoning review) has begun, but other elements will take more time.

#### **Finance status**

#### Majority funding source



## Total cost of the project (currency)

### Total cost provided by the local government (currency)

### Total cost provided by the majority funding source (currency)

### Web link

https://allentownvision2030.org/

### Action

Other, please specify Reducing Urban Heat Islands

### Action title

Reducing Urban Heat Islands

#### Status of action

Implementation

#### Means of implementation

Education Infrastructure development Verification activities Development and implementation of action plan Policy and regulation Financial mechanism

### Co-benefit area

Enhanced climate change adaptation Reduced GHG emissions Improved resource quality (e.g. air, water) Resource conservation (e.g. soil, water) Shift to more sustainable behaviours

#### Sectors/areas adaptation action applies to

Energy Building and Infrastructure Water

### Action description and implementation progress

The City's Act 167 Stormwater Management Ordinance, Article 1387, was updated in 2007 to include Low Impact Development



(LID) practices to include avoiding the introduction of impervious surfaces. In 2021, a policy decision was made to promote green roof installation through automatic removal of impervious surface associated with their footprint, despite storage capacity. Green roof installation is further promoted through the award of credits provided to reduce the utility fee. Additionally, the City promotes the reduction of impervious surface through its appeals process which allows for residents to reduce their stormwater fees by actively managing the impervious surface of their properties.

**Finance status** 

Finance secured

Majority funding source

Total cost of the project (currency)

Total cost provided by the local government (currency)

Total cost provided by the majority funding source (currency)

#### Web link

https://www.allentownpa.gov/Government/Codified-Ordinances

## **Adaptation Planning**

(3.2) Does your city council, or similar authority, have a published plan that addresses climate change adaptation and/or resilience?

Yes

(3.2a) Please provide more information on your plan that addresses climate change adaptation and/or resilience and attach the document. Please provide details on the boundary of your plan, and where this differs from your city's boundary, please provide an explanation.

Publication title and attach the document Allentown Vision 2030 20191218\_Final-Report\_00-Combined\_compressed (3).pdf

Web link



#### https://allentownvision2030.org/

#### Sectors/areas covered by plan that addresses climate change adaptation

Energy Transport (Mobility) Building and Infrastructure Industry ICT (Information and Communication Technology) Spatial Planning Water Waste Public Health and Safety Social Services

#### Climate hazards factored into plan that addresses climate change adaptation

Extreme Precipitation > Rain storm Extreme Precipitation > Heavy snow Storm and wind > Severe wind Extreme hot temperature > Extreme hot days Flood and sea level rise > Flash / surface flood Biological hazards > Vector-borne disease Biological hazards > Insect infestation

## Year of adoption of adaptation plan by local government 2030

#### Boundary of plan relative to city boundary (reported in 0.1)

Larger - covers the whole city and adjoining areas

#### If the city boundary is different from the plan boundary, please explain why

The plan is integrated with the wider regional planning conducted by the Lehigh Valley Planning Commission

#### Stage of implementation

Plan in implementation

#### Type of plan

Integrated mitigation / adaptation

# Has your local government assessed the synergies, trade-offs, and co-benefits, if any, of the main mitigation and adaptation actions you identified?

In Progress

#### Describe the synergies, trade-offs, and co-benefits of this interaction

Actions underway and to be taken under the City's comprehensive plan contain multiple synergies including improvements in health, air quality, water quality, quality of life, and



economic benefits. These multiple synergies are particularly well-integrated as the comprehensive planning process was combined with an economic development planning process, resulting in a set of policies, processes and programs deployed to improve the City's quality of life, promote job creation, build community and resident wealth; and strengthen the tax base.

### Primary author of plan

Consultant

#### Description of the stakeholder engagement processes

The Allentown Vision 2030 community planning process provided a variety of ways to receive insights, feedback, and ideas for the future of Allentown. The process was designed to capture voices across all of Allentown. Engagement included the Community Collaboration Meetings, surveys, interviews, and focus groups, as well as input from the Allentown Vision 2030 Community Ambassador Program and the Allentown Vision 2030 Steering Committee.

In some phases, the conversation was literal - through interviews and focus groups, Allentonians conveyed their hopes and concerns for the city. In other stages, the planning team created ways to listen, such as a citywide survey that was taken by over a thousand people.

In person, citywide conversations happened through Community Collaboration Meetings where community members shared their voices and ideas. This was done through facilitated group activities and prioritization exercises, such as voting on key actions that would help achieve the collective goals of Allentown Vision 2030. There were four total Community Collaboration Meetings. All meeting materials, as well as presentations and facilitated activities, were available in English and Spanish. Each Community Collaboration Meeting built on one another to guide the recommendations outlined in the plan.

In March 2019, the City of Allentown Department of Community and Economic Development opened the Allentown Vision 2030 Community Engagement Hub in a donated storefront in downtown Allentown. The Community Engagement Hub invited community members to drop in, learn about the Allentown Vision 2030 planning process, and participate in activities to capture their priorities and feedback on plan development.

The Community Engagement Hub is a model to make city government, programs, and projects more accessible and transparent for citizens. The Hub was open from 12-5pm every Monday, Wednesday, and Friday in March through October 2019, and was used as a meeting space for local neighborhood groups and nonprofits. During its open hours, the Hub engaged hundreds of Allentown residents, workers, and visitors in the Vision 2030 planning process.



## **Adaptation Goals**

(3.3) Please describe the main goals of your city's adaptation efforts and the metrics / KPIs for each goal.

Adaptation goal Do we have any goals?

Climate hazards that adaptation goal addresses

Target year of goal

Description of metric / indicator used to track goal

Does this goal align with a requirement from a higher level of government?

Select the initiatives related to this adaptation goal that your city has committed to

Comment

## 4. City-wide Emissions

## **City-wide GHG Emissions Data**

## (4.0) Does your city have a city-wide emissions inventory to report? Yes

(4.1) Please state the dates of the accounting year or 12-month period for which you are reporting your latest city-wide GHG emissions inventory.

	From	То
Accounting year dates	January 1, 2018	December 31, 2018

(4.2) Please indicate the category that best describes the boundary of your city-wide GHG emissions inventory.



	Boundary of inventory relative to city boundary (reported in 0.1)	Excluded sources / areas	Explanation of boundary choice where the inventory boundary differs from the city boundary (include inventory boundary, GDP and population)
Please explain	Same – covers entire city and nothing else		

(4.3) Please give the name of the primary protocol, standard, or methodology you have used to calculate your city's city-wide GHG emissions.

	Primary protocol	Comment
Emissions methodology	U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions (ICLEI)	The inventory was conducted with assistance from PA DEP and ICLEI

(4.4) Which gases are included in your city-wide emissions inventory?

CO2 CH4 N20

(4.5) Please attach your city-wide inventory in Excel or other spreadsheet format and provide additional details on the inventory calculation methods in the table below.

## Document title and attachment

### **Emissions inventory format**

I have attached my inventory in the GPC format: ClearPath (ICLEI)

Web link

### **Emissions factors used**

Other, please specify EPA emission factors for electricity use in PJM, and for diesel and propane

Global Warming Potential

#### (select relevant IPCC Assessment Report)

Do not know

Please select which additional sectors are included in the inventory

Industrial process and/or product use



## Population in inventory year

121,433

### **Overall level of confidence**

High

## Comment on level of confidence

Overall level of confidence is high for all categories except transportation data which was calculated based on a variety of assumptions. Data for motorcycles, light trucks, heavy trucks and passenger vehicles were collected from PennDOT travel data. All Off-road emissions were calculated from the EPA's 2017 National Emissions Inventory (NEI) Data and an allocation process was conducted based on county and city population. For vehicle miles traveled, we used Penndot travel data for rural, small urban, and urbanized areas. This data had a subsection that included Allentown, Easton and Bethlehem combined. To perform the allocation for Allentown we used an allocation process based on city and county populations. Additionally, we needed to determine what percentage of each vehicle type made up the allocation amount. For this we used the Penndot highway vehicle type classification. We used the data from the "urban" section and calculated percentages of each type of vehicle. There are many categories that were combined to make up heavy trucks-- each category to the right of "bus" on the chart were combined to create the heavy truck percentage. We combined these due to the fact that a heavy truck has at least two axles and six or more tires. We then applied these percentages to the allocation to determine the VMT associated with each vehicle type. Additionally, we assumed that passenger vehicle, motorcycle and light trucks were operating on gasoline, with only heavy trucks operating on diesel. Lastly, each VMT was multiplied by 365 to create the annual VMT data for each vehicle type.

## (4.6c) Please provide a breakdown of your GHG emissions by scope. Where values are not available, please use the comment field to indicate the reason why.

### **City-wide emissions**

Scope 1 emissions excluding emissions from grid-supplied energy generation

Level of confidence

Scope 1 emissions from grid-supplied energy generation within the city boundary

Level of confidence

**Calculated Total Scope 1 emissions** 



## Total Scope 1 emissions - please ensure this matches the calculated total above

## Level of confidence

**Total Scope 2 emissions** 

Level of confidence

Calculated total Scope 1 + Scope 2 emissions

Total (Scope 1 + Scope 2) emissions - please ensure this matches the total calculated field above

2,402,569

Level of confidence High

**Total Scope 3 emissions** 

## Level of confidence

### Comment

Scope 3 emissions were not calculated

(4.6e) Where it will facilitate a greater understanding of your city-wide emissions, please provide a breakdown of these emissions by the US Community Protocol sources.

US Community Protocol Sources	Sector	Scope	Emissions (metric tonnes CO2e)
Transportation and other mobile sources	Transportatio n	Total figure	1,350,888
Solid waste	Waste	Total figure	62,245
Wastewater and water	Wastewater	Total figure	7,877

(4.8) Please indicate if your city-wide emissions have increased, decreased, or stayed the same since your last emissions inventory, and describe why.



	Change in emissions	Please explain and quantify changes in emissions
Please explain		This is the first GHG inventory the city has conducted

## (4.9) Does your city have a consumption-based inventory to measure emissions from consumption of goods and services by your residents?

	Response	Provide an overview and attach your consumption-based inventory if relevant
Please complete	Not intending to undertake	

## **City-wide external verification**

## (4.12) Has the city-wide GHG emissions data you are currently reporting been externally verified or audited in part or in whole?

Not intending to undertake, please specify why

The inventory was conducted by the Allentown Environmental Advisory Council (an impartial community-based board of the City) with assistance from the Pennsylvania DEP and ICLEI, thereby providing us a sufficiently high level of confidence

## **Historical emissions inventories**

(4.13) Please provide details on any historical, base year or recalculated city-wide emissions inventories your city has, in order to allow assessment of targets in the table below.

## **5. Emissions Reduction**

## **Mitigation Target setting**

## (5.0) Do you have a GHG emissions reduction target(s) in place at the city-wide level? No target

(5.0e) Please explain why you do not have a city-wide emissions reduction target and any plans to set one in the future.

	Reason	Comment
Please explain	Policies/projects prioritized over target setting	Goals and targets are contemplated in the City's Vision 2030 comprehensive plan but other priorities have delayed proceeding with developing targets or a timetable for setting them



## **Mitigation Actions**

(5.4) Describe the anticipated outcomes of the most impactful mitigation actions your city is currently undertaking; the total cost of the action and how much is being funded by the local government.

Mitigation action Outdoor Lighting > LED / CFL / other luminaire technologies Action title Street Light LED Conversion Means of implementation Development and implementation of action plan Implementation status Implementation Start year of action 2018 End year of action 2021

Energy savings (MWh)

Renewable energy production (MWh)

Timescale of reduction / savings / energy production

### Co-benefit area

Disaster Risk Reduction Reduced GHG emissions Improved resource efficiency (e.g. food, water, energy)

## Action description and implementation progress

The city upgraded approximately 25% of cobra-head street lights to LED. City plans to complete 50% of cobra-headed lights to LED by summer of 2020 and 100% by 2021.



All pedestrian style street lights are planned to be converted to LED by 2023.

Finance status Finance secured

Total cost of the project

Total cost provided by the local government

Majority funding source

Total cost provided by the majority funding source (currency)

## Web link to action website

https://www.allentownpa.gov/Portals/0/files/PublicWorks/Projects/2015/LEDStreetLightC onversion\_Fall2015.pdf

## **Mitigation Planning**

## (5.5) Does your city have a climate change mitigation or energy access plan for reducing city-wide GHG emissions?

Do not know

## 6. Opportunities

## **Opportunities**

(6.0) Please indicate the opportunities your city has identified as a result of addressing climate change and describe how the city is positioning itself to take advantage of these opportunities.

Opportunity	Describe how the city is maximizing this opportunity
Development of energy efficiency measures and technologies	The City continues to find ways to reduce costs by enhancing its energy efficiency. Measures include replacement of lighting in buildings and street lights with LED,



## Collaboration

## (6.2) Does your city collaborate in partnership with businesses and/or industries in your city on sustainability projects?

Yes

(6.2a) Please provide some key examples of how your city collaborates with busines
and/or industries in the table below.

Collaboration area	Type of collaboration	Description of collaboration	
Building and Infrastructure	Project delivery - Public Private Partnership	The City provided the workers and UGI provided financing of sidewalk upgrades conducted in conjunction with UGI's gas pipeline replacements.	
Water	Financing (investment)	The City is in the process of developing a Community Engagement Program. Allentown residents and businesses will be able to apply for City funding to implement projects that will reduce the pollution of stormwater and ultimately improve the water quality of our streams and rivers. The goal of the program is to provide an incentive for the community to voluntarily implement stormwater stewardship practices that will help the City meet long-term water quality targets. Under the program, the City will pay a portion (and sometimes all) of the cost for a property owner to install approved practices that reduce pollution and flooding. Metrics are tracked as data is calculated for all voluntarily installed BMPs which reduce pollutants as measured in pounds per year. Additionally, this program allows for funding to allow for the development of educational outreach opportunities. One type of outreach activity, for example, includes rain barrel giveaways. As part of its protocol under the Public Outreach Program, the Stormwater Bureau identifies groups and tracks all outreach activities and the metrics involved with each to include surveys and distributed materials.	
Building and Infrastructure	Project implementation and management	In 2021, the City made a policy decision to promote green roof installation through automatic removal of impervious surface associated with their footprint, despite storage capacity. Green roof installation is further promoted through the award of credits provided to reduce the City's Stormwater Utility fee. Additionally, the City promotes the reduction of impervious surface through its appeals process which allows for residents to reduce their stormwater	



	fees by actively managing the impervious surface of their
	properties. In 2021, credit was awarded for one green roof,
	one voluntarily installed rain garden, one water quality basin
	that managed off site stormwater
	above development standards, and five water quality bmps
	installed as part of land development.

## (6.3) Describe how your local/regional government collaborates and coordinates horizontally on climate action.

	Entity with which your local/regional government collaborates and coordinates horizontally on climate action	Description
Horizontal collaboration and coordination	Neighboring jurisdictions	Allentown collaborates with surrounding municipalities in addressing stormwater inflow and infiltration

## (6.4) Describe how your local/regional government collaborates and coordinates vertically (higher levels of government) on climate action.

The City worked with the Pennsylvania Department of Environmental Protection in conducting its Greenhouse Gas inventory in 2019

## **Finance and Economic Opportunities**

(6.5) List any mitigation, adaptation, water related or resilience projects you have planned within your city for which you hope to attract financing and provide details on the estimated costs and status of the project. If your city does not have any relevant projects, please select 'No relevant projects' under 'Project Area'.

Project area Transport
Project title Micromobility
Stage of project development Scoping
Status of financing Project not funded and seeking partial funding
Financing model identified



### Yes

### Identified financing model description

Financing through the Allentown Neighborhood Improvement Zone Development Authority which finances capital improvements within the NIZ. The NIZ is a special taxing district created by sate law in 2011

## Project description and attach project proposal

The Allentown Neighborhood Improvement Zone Development Authority finances capital improvements within the NIZ. The Allentown EAC is studying the scope, cost and feasibility of implementing a bikeshare program within the NIZ with financing from ANIZDA. The project proposal is being developed.

## Total cost of project

## Total investment cost needed

(····) ····· ) ····· ··· ) ············			
	Pilot/demonstration projects	Description of project and weblink	
Tested by city government	Yes	In 2018 the City piloted a bike-share program in partnership with Muhlenberg College . The program vendor folded during the pandemic. The City's EAC is now investigating alternative micromobility options.	

## (6.6) Has your city tested their climate actions through pilot/demonstration projects?

## **Climate Action Planning**

(6.12) Describe how your city plans to enhance ambition and scale up Climate Action Plan (integrated/adaptation/mitigation) and actions to achieve climate neutrality, net zero emissions, carbon neutrality or 100% renewables.

The City's Vision 2030 Comprehensive plan states the following steps with respect to climate action:

1) Prepare a Climate Action Plan that integrates with regional plans.

2) Collaborate with local universities and schools on research and projects that can engage citizens in the solutions.

3) Pursue grants from state agencies like the PA Department of Environmental Protection, PA Department of Conservation and Natural Resources, as well as local and national foundations to fund early stages of education and planning.

4) Consider integrating climate action and resilience planning into Neighborhood Planning Framework to help structure climate and resilience goals into concrete and actionable plans.5) Partner with the City of Allentown Environmental Advisory Council to further define the Climate Action Planning approach.



## 8. Energy

## (8.0) Does your city have a renewable energy target?

Not intending to undertake, please specify The City's 2030 master plan includes recommendations on increasing renewable energy in the City but there has been insufficient time to develop targets in light of competing priorities

## (8.1) Please indicate the source mix of electricity consumed in your city.

Electricity source
Coal
Gas
Oil
Nuclear
Hydro
Bioenergy (Biomass and Biofuels)
Wind
Geothermal
Solar (Photovoltaic and Thermal)
Waste to energy (excluding biomass component)
Other sources
Total - please ensure this equals 100%
Total electricity consumption (MWh)



## Year data applies to

## What scale is the electricity mix data

Comment

## (8.2) For each type of renewable energy within the city boundary, please report the installed capacity (MW) and annual generation (MWh).

	Installed capacity (MW)	Annual generation (MWh)	Year data applies to	Comment
Solar PV				
Solar thermal				
Hydro power				
Wind				
Bioenergy (Biomass and Biofuels)	1.5		2020	Allentown installed a combined heat and power plant at its sewage treatment plant in 2001
Geothermal				
Other, please specify				

(8.3) Does your city have a target to increase energy efficiency?

## **10. Transport**

(10.0) Do you have mode share information available to report for the following transport types?

Freight transport Passenger transport

## (10.1) What is the mode share of each transport mode in your city for passenger transport?

Please complete

Private motorized transport 74.5



## Rail/Metro/Tram

Buses (including BRT) 10.33

Ferries/ River boats

Walking

Cycling

Taxis or shared vehicles (i.e. for hire vehicles)

**Micro-Mobility** 

Other

### Comment

The annual VMT for private motorized transport includes all passenger vehicles, including taxis that we allocated to the City of Allentown based on PennDOT data and the City's population in 2018. The annual VMT for buses includes other heavy trucks. The total VMT on which the percentages are based also includes light-duty trucks and motorcycles. Only emission-producing modes of transport were evaluated, so the percentages do not include walking, biking, etc.

## (10.2) What is the mode share of each transport mode in your city for freight transport?

	Mode share	Comment
Motorcycle/Two-wheeler		
Light Goods vehicles (LGV)		
Medium Goods vehicles (MGV)		
Heavy Goods vehicles (HGV)		
Rail		
In-land waterways		

(10.3) Please provide the total fleet size and number of vehicle types for the following modes of transport.



	Number of private cars	Number of buses	Number of municipal fleet (excluding buses)	Number of freight vehicles	Number of taxis	Transport Network Companies (e.g. Uber, Lyft) fleet size	Customer- drive carshares (e.g. Car2Go, Drivenow) fleet size	Comment
Total								
fleet size								
Electric								
Hybrid								
Plug in hybrid								
Hydroge n								

(10.5) Does your city have a low or zero-emission zone or restrictions on high polluting vehicles that cover a significant part of the city? (i.e. that disincentivises fossil fuel vehicles through a charge, a ban or access restriction)

No

## **12. Food**

## **Food Consumption**

(12.0) Report the total number of meals that are annually served and/or sold through programs managed by your city (this includes schools, hospitals, shelters, public canteens, etc.).

Total meals served or sold through programs managed by your city

Number of meals

**Cities facilities** 

Comment

(12.1) What is the per capita meat and dairy consumption (kg/yr) in your city?

Meat consumption per capita (kg/year)



## Kg/Year/Capita

Year data applies to

Is your city calculating emissions associated with this consumption?

Comment

Dairy consumption per capita (kg/year)

Kg/Year/Capita

Year data applies to

Is your city calculating emissions associated with this consumption?

Comment

## **Sustainable Food Policies and Actions**

## (12.3) Does your city have any policies relating to food consumption within your city? If so, please describe the expected outcome of the policy.

	Response	Please describe the expected outcome of the policy
Please complete		

(12.4) How does your city increase access to sustainable foods?

Do you subsidise fresh fruits and vegetables?

**Action implemented** 

Please provide details and/or links to more information about the actions your city is taking to increase access to sustainable foods

Do you tax/ban higher carbon foods (meat, dairy, ultra-processed)?

Action implemented No



## Please provide details and/or links to more information about the actions your city is taking to increase access to sustainable foods

Do you use regulatory mechanisms that limit advertising of higher carbon foods (meat, dairy, ultra-processed)?

Action implemented

Please provide details and/or links to more information about the actions your city is taking to increase access to sustainable foods

Do you use regulatory mechanisms that limit the sale of higher carbon foods (meat, dairy, ultra-processed)?

Action implemented

Please provide details and/or links to more information about the actions your city is taking to increase access to sustainable foods

Do you incentivise fresh fruit/vegetables vendor locations?

**Action implemented** 

Please provide details and/or links to more information about the actions your city is taking to increase access to sustainable foods

Do you have programs/policies/regulations on food surplus - either food surplus recovery and redistribution, or food waste avoidance programs (i.e. Love Food/Hate Waste)?

Action implemented

Yes

## Please provide details and/or links to more information about the actions your city is taking to increase access to sustainable foods

Various food pantries and soup kitchens in the City are involved in programs with local grocery stores and others to receive surplus food. The Allentown Environmental Advisory Council is studying ways to further expand on these programs.



## 13. Waste

## (13.0) What is the annual solid waste generation in your city?

	Amount of solid waste generated (tonnes/year)	Year data applies to	Please describe the methodology used to calculate the annual solid waste generation in your city
Please			
complete			

## 14. Water Security

## Water Supply

## (14.0) What are the sources of your city's water supply?

Surface water, from sources located fully or partially within city boundary Ground water

## (14.1) What percentage of your city's population has access to potable water supply service?

## (14.2) Are you aware of any substantive current or future risks to your city's water security?

Yes

## (14.2a) Please identify the risks to your city's water security as well as the timescale and level of risk.

Water security risk drivers	Anticipated timescale	Estimated magnitude of potential impact	Estimated probability of impact	Risk description
Severe weather events	Current	Extremely serious	Medium-low	The City's water supply system depends on continuous availability of power to run the pumps and other equipment. A lengthy power outage such as occurred in Texas would have extremely serious impact. The probability of this is low as the power delivery company (PPL) continues to upgrade and strengthen its delivery infrastructure.



## Water Supply Management

(14.3) Please select the actions you are taking to reduce the risks to your city's water security.

#### Risks

Severe weather events

#### Adaptation action

Other, please specify

The City's water supply is managed by the Lehigh County Authority which id aware of this risk and considering appropriate mitigation measures

Status of action

Scoping

### Action description and implementation progress

The need for back-up power systems and other appropriate mitigation measures is being evaluated by LCA.

## (14.4) Does your city have a publicly available Water Resource Management strategy? Yes

## (14.4a) Please provide more information on your city's public Water Resource Management strategy.

### Publication title and attach document

Lehigh County Authority Final Five-Year Capital Plan

2021-2025-Capital-Plan-Allentown-Division.pdf

## Year of adoption from local government

2020

#### Web link

lehighcountyauthority.org

### Does this strategy include sanitation services?

Yes

#### Stage of implementation

Strategy in implementation



## Submit your response

## What language are you submitting your response in?

English

Please read and accept our Terms and Conditions

## Please confirm how your response should be handled by CDP.

	Public or non-public submission
I am submitting my response	Publicly (recommended)