

Example Comprehensive Plan Goals

1 Climate

Climate Goal 1:

In Support of the State of Minnesota’s established State-Wide goals, the City of _____ will reduce City-Wide greenhouse gas emissions to 20% of the City’s 2015 Baseline levels by 2040 (an 80% reduction). The City will establish interim goals every 5 to 10 years to assure City emission reductions track against this primary goal and to adjust policies and strategies as needed. The City’s first interim goal is to reduce City-Wide greenhouse gas emissions to 80% of 2015 Baseline levels by 2025 (a 20% reduction). Future interim goals will be established by the City at the completion of the first interim timeframe.

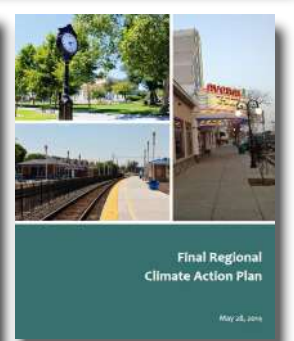
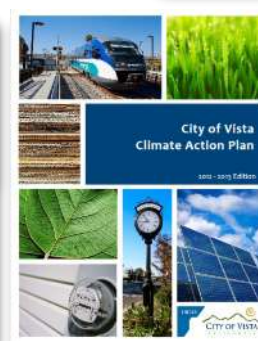
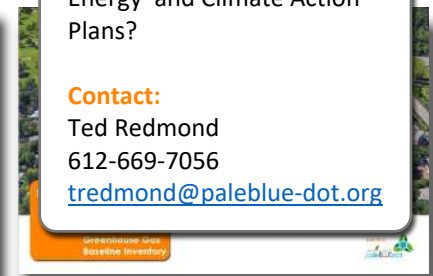
Climate Goal 2:

In Support of Climate Goal 1, the City of _____ will conduct an Energy / Climate Action Plan to establish long-range energy / greenhouse gas emission reduction goals and strategies for each City-Wide energy/emissions category. The City will initiate the Energy / Climate Action Plan no later than June 2018. The Action Plan will include, as appropriate, the following components:

- Identification of Current City-Wide energy use / greenhouse gas emissions in the categories of Buildings, Transportation, Solid Waste, Water Use, and Wastewater.
- Identification of mid-term and long-term energy / emissions reduction goals for each category in support of Climate Goal 1.
- Identification of possible short, mid, and long-term policy strategies and measures to meet energy / emission reduction goals in each category
- Appropriate community engagement for strategy feedback and vetting
- Finalization of strategies with calculated energy/emission reduction over time
- Review of existing City policies and programs for identification of reduction strategy ‘vehicles’
- Identification of economic development and business development potential of the strategies.
- Identify implementation costs, financing mechanisms and funding sources.
- Development of implementation plan identifying schedule, responsible party, and measures of success for every strategy
- Identify implementation costs, financing mechanisms and funding sources.
- Creation of measure success tracking tool

Interested in seeing a range of national examples of Energy and Climate Action Plans?

Contact:
Ted Redmond
612-669-7056
redmond@paleblue-dot.org



Example Comprehensive Plan Goals

2 Renewable Energy

Renewable Energy Goal 1:

The City of _____ will rapidly transition to an energy system and economy that is powered by renewable clean energy obtaining a minimum of 80% of all electric energy from renewable sources by 2040 with a minimum of 50% in on-site generation within the City. The City will establish interim goals every 5 to 10 years to assure City Renewable Energy levels track against this primary goal and to adjust policies and strategies as needed. The City’s first interim goal is to increase City-Wide renewable energy sources to 40% by 2022 with 9% in on-site generation within the City. Future interim goals will be established by the City at the completion of the first interim timeframe.

Renewable Energy Goal 2:

In Support of Renewable Energy Goal 1, the City of _____ will rapidly transition the City’s facilities to an energy system powered by renewable clean energy, obtaining 100% of all electric energy from renewable sources by 2040 with a minimum of 30% (___ GWH annually) in on-site generation at City properties. The City will establish interim goals every 5 to 10 years to assure City Facility Renewable Energy levels track against this primary goal and to adjust policies and strategies as needed. The City’s first interim goal is to increase on-site renewable energy sources to ___GWH annually by 2022. Future interim goals will be established by the City at the completion of the first interim timeframe..

To assist the City in establishing appropriate, realistic, and achievable Renewable Energy Goals for inclusion in the Comprehensive Plan, we recommend that the City conduct a City Wide Renewable Energy Potentials Study and a City Facility Renewable Energy Potentials Study. These studies should be completed prior to finalization of Comprehensive Plan goals and should include:

- Technical Capacity within the City.
- Total Generation Capacity within the City.
- Optimized / Cost Effective Generation Capacity within the City.
- Market Trends and Market Capacity / Absorption Potential within the City.
- Renewable Energy Economic and Business Development Potential within the City.
- Quantified Environmental Benefits of Renewable Energy within the City.
- Renewable Energy Financing Mechanisms and Funding Sources.
- Recommendations, Policy Strategies, and Next Steps.

Sample City-Wide Renewable Energy Potentials Study

[CLICK HERE](#)

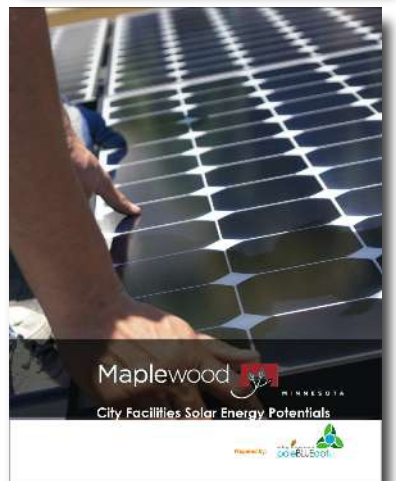
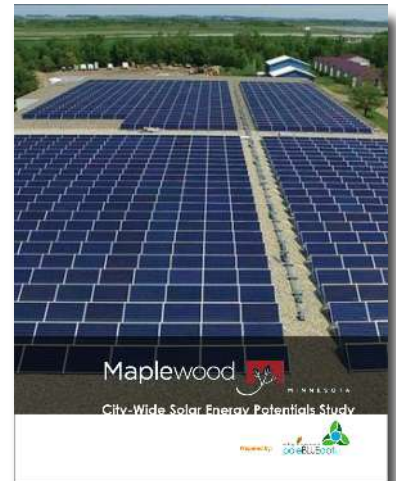
Or Scan:



Sample City Facility Renewable Energy Potentials Study

[CLICK HERE](#)

Or Scan:



Example Comprehensive Plan Goals

2 Resilience

Resilience Goal 1:

The City of _____ will conduct an Vulnerable Populations and Climate Adaptation Plan to establish short, and mid-range community climate resilience goals and strategies. The City will initiate the Vulnerable Populations and Climate Adaptation Plan no later than June 2018. The Study will include, as appropriate, the following components: .

- Quantification and GIS mapping of climate vulnerable populations including: Environmental Justice communities, indigenous peoples, people of color, residents with limited English capacity, unemployed and low-income residents, seniors, people with disabilities, individuals with existing health conditions, children under 5, and occupational groups at risk.
- Identification of the broad climate change impacts likely to affect residents of the City.
- Identify and map specific climate change risk factors within the City.
- Overlay vulnerable populations and climate change related risks to describe and map the specific populations at risk, areas of greatest population vulnerabilities, and the greatest risk categories.
- Develop recommended Climate Adaptation goals for the City and detail Climate Adaptation Strategies including policies and programs which the City can implement to address climate vulnerabilities.

**Sample Vulnerable
Population Assessment and
Climate Adaptation Plan**

[CLICK HERE](#)

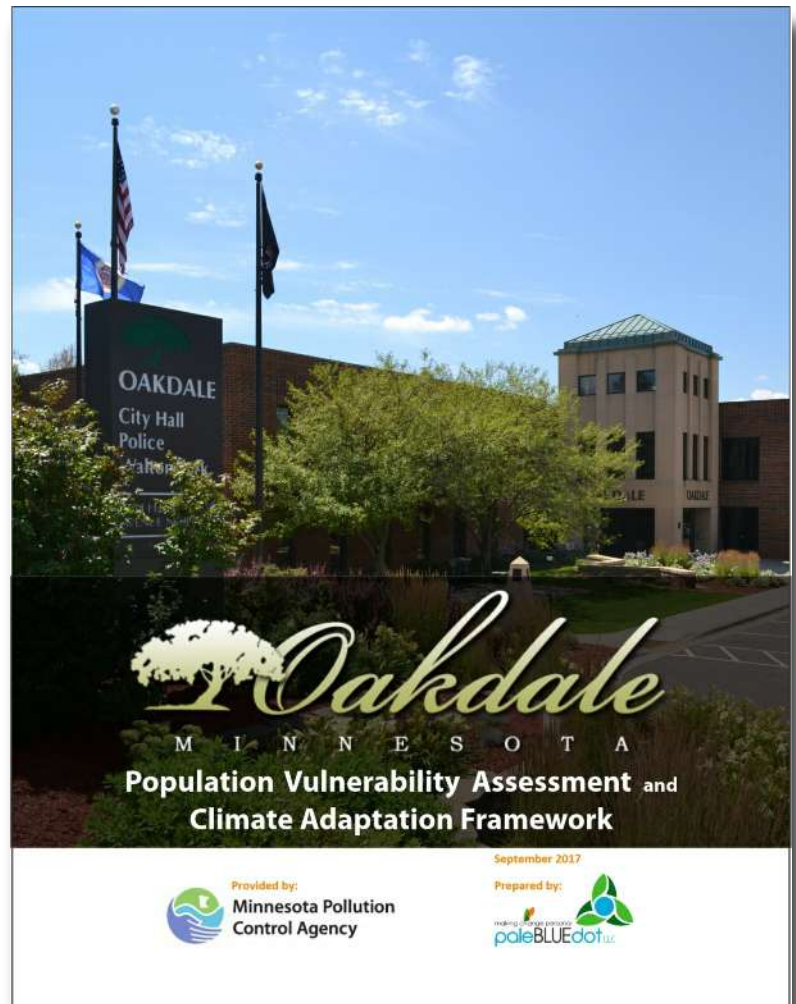
Or Scan:



Contact:

Ted Redmond
612-669-7056

redmond@paleblue-dot.org



Energy And Climate Action

State of Minnesota High-Level Strategies

Intermediate Term Strategies

Electricity:

Increase the renewable electricity standard
Retire and repower coal plants

Energy efficiency opportunities:

Conservation improvement programs
Combined heat and power (CHP)
SB 2030 building guidelines
Wastewater facility efficiency

Long-term Strategies to Start Now

Urban development:

Transit and multimodal travel
Compact development
Electric vehicles
Urban forests and Tree Canopies

Land management:

Forest health
Conservation and working lands
Agricultural soil development (soil sequestration policies)
Increase Re-Use, Composting, and Recycling
Source Reduction

Pilot Programs to Develop

Transportation:

Advanced biofuels
Pay-as-you-go car insurance
Fuel or carbon based tax

Energy:

Renewable thermal energy

Agriculture:

Fertilizer efficiency
Market development for cover crops and perennials

Minnesota wastes more energy than it actually uses – an estimated 58%

Detailed State Transit Strategies:

- Additional MnPASS managed lanes
- Additional transit-ways and rapid transit lines
- Increased the of transit, bicycling, and walking
- Increasing availability of multimodal travel options

Detailed State Electric Vehicle Strategies:

- Provide programs to incentivize off-peak charging
- Join the Zero Emission Vehicle (ZEV) Standard
- Build charging infrastructure
- Provide incentives to support EV adoption
- Research, test, and deploy electric buses
- Research and monitor new technologies

Detailed State Agriculture Pilot Projects:

- Implement fertilizer best management practices
- Improved fertilizer products and techniques

Energy And Climate Action

Example Municipal Strategies



Energy

- 1) Implement a “stretch energy code”
- 2) Implement a policy requiring Portfolio Energy Monitoring
- 3) Establish a PACE program in your city/county (Property Assessed Clean Energy)
- 4) Encourage/incentivize solar photovoltaics
- 5) Explore development of City Carbon Offset or Renewable Energy Credit marketplace.
- 6) Establish a Renewable Energy Taskforce to develop on-going recommendations.



Transportation

- 1) Implement Complete Streets policy for all City street infrastructure projects.
- 2) Establish a Smart Growth Policy that prioritizes infill, higher density, transportation oriented and mixed use
- 3) Incentivize City Car Sharing Companies to open pods in town. Explore Bike Share program.
- 4) Explore establishing an advanced biofuels / clean fuels program for City and private vehicle fleets
- 5) Establish "plug in" preferred parking ordinances with charging stations.
- 6) EV Ready: Create an EV Strategy Plan for the City



Waste

- 1) Mandate businesses recycling.
- 2) Implement Organics collection program
- 3) Require recycling and organics collection at major public events
- 4) Establish Pay-As-You-Throw rates for garbage that significantly incentivizes recycling and compost



Water

- 1) Promote existing and/or new rebates for water efficient appliances and fixtures.
- 2) Explore creation of program replacing high flow fixtures with low and super low flow fixtures.
- 3) Establish ordinance providing for declaration of Critical Water Deficiency
- 4) Create program promoting or incentivizing rain water collection and re-use for landscape water needs.



Soil Carbon / Sequestration

- 1) Implement shade trees ordinances and incentives
- 2) Establish ordinance requiring bio-char soil amendment for all new construction
- 3) Encourage use of organic fertilizers and avoidance of synthetic fertilizers
- 4) Establish urban agriculture and chicken keeping ordinances and encourage use
- 5) Establish permaculture policies and concepts to replace sod areas in ROW

Interested in more strategy ideas?

Contact:

Ted Redmond
612-669-7056

redmond@paleblue-dot.org

Energy And Climate Action

Example EV Ready Strategies

EV Ready

- 1) Identify EV priority sites within City through EV Charging Master Plan
- 2) Plug- In Parking: Set up in planning review that new or redeveloped commercial sites establish "plug in" parking preferred spaces with charging stations.
- 3) Permit Priority: Establish prioritized permitting process or reduced fees for projects meeting City EV requirements.
- 4) EV-Ready Multifamily and Commercial Buildings – Explore electric vehicle (EV) parking and charging infrastructure requirements in new multi-family and commercial construction projects that include parking.
- 5) Funding for EV-Ready Affordable Housing – Seek funding to enable affordable housing projects that have parking to be EV-ready with, at a minimum, the necessary electrical capacity and conduit to enable EV chargers.
- 6) City-Supported Projects – Develop EV-ready provisions for construction projects that trigger PUD reviews or significant variances from city ordinance as well as any project receiving public funding.
- 7) Technical Assistance for Chargers – Work with utility and community partners to provide technical assistance to building managers and homeowners to install EV chargers, especially in existing buildings.
- 8) Right-of-Way Charging – Develop public right of way (ROW) priorities and policies to enable installation of publicly accessible EV chargers in strategic locations, and provide clear guidelines for public and private parties. Establish a policy for addressing abandoned EV chargers in the right of way.
- 9) EV-Ready and Retrofits for Parking Facilities – Explore the development of EV parking and charging infrastructure requirements in new and existing (public and private) parking facilities.
- 10) E-Bike Parking – Explore opportunities to integrate e-bike charging infrastructure into the City's bike parking requirements.
- 11) EV Signage and Parking Standards – Develop policies and standards for EV signage and parking, including parking rates, time limits and "parking while charging" restrictions.
- 12) City-Owned and Maintained Chargers – Explore City ownership and maintenance of publicly accessible EV chargers, particularly in under-served areas.
- 13) Autonomous Vehicles – Develop a long-term Autonomous Vehicle Plan for City
- 14) Autonomous Vehicles – Seek opportunities to pilot electric autonomous vehicles (AVs)

[Interested](#) in more strategy ideas?

Contact:

Ted Redmond

612-669-7056

tredmond@paleblue-dot.org