



SUSTAINABILITY & GREEN TECHNOLOGY

Climate Adaptation

Both around the globe and in Minnesota, extensive weather observations recorded over decades have led scientists to conclude that the earth’s climate is changing. According to these reports, the average temperature of the Earth’s surface has increased, causing changes in precipitation patterns, snow and ice cover, and sea levels. The Minnesota Pollution Control Agency believes climate change is already occurring in Minnesota and is affecting our state’s environmental, economic, and social systems. While climate change is a global issue, its impacts are felt locally. As a result, the City seeks to identify the local impacts of climate change and specific strategies to reduce the community’s vulnerability to these impacts.

Questions / Issues:

- What are the impacts of climate change on the global, state and local communities?
- How do these impacts affect the residents and businesses in Rosemount and who is most vulnerable?
- What are others doing to adapt to the impacts of climate change?
- What can the City do to reduce the community’s vulnerability to climate change?

Deliverables:

- Review climate change vulnerability reduction best practices.
- Conduct a climate change vulnerability assessment and identify strategies to reduce Rosemount’s susceptibility to climate change.
- Develop metrics to demonstrate measurable reduction in Rosemount’s climate change vulnerability.
- Create an education and outreach campaign to engage citizens and businesses in climate change vulnerability reduction.

Sustainability:

This project would address all three areas of sustainability and STAR Communities climate adaptation objectives. First, it offers sustainable social impact by helping the City plan for emergency management, recreational facilities, and other public services impacted by climate change. Second, it provides a sustainable environmental impact by identifying how climate changes effects local natural resources. Third, these public services and natural resources data would be central to Rosemount’s economic development strategy and to implementing the 2013-2014 City Council’s goal to become a more sustainable community.



Staff/Partners

PROJECT LEAD

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PARTNERS

U.S. Environmental Protection Agency
Minnesota Interagency Climate Adaptation Team (ICAT)
Climate Adaptation Knowledge Exchange (CAKE)
Dakota County
Local Utility Companies

