

CLEAN & GREEN ENVIRONMENT

I WANT TO LIVE, LEARN, WORK, AND PLAY IN A CLEAN AND GREEN ENVIRONMENT

REQUEST FOR OFFERS

TEAM MEMBERS

Team Lead: Lisa Rigg, Planning
Team Member: Don Swayne, Public Works
Team Member: David Shaw, Parks
Team Member: Jeffrey Smith, Fire

DASHBOARD INDICATORS

Indicator 1: Percentage of neighborhoods with convenient access to parks and trails (ability to walk less than ¼ mile to a park or trail from home or office).

Measure Description: A functional area plan for levels of service in parks or green space was adopted in 2010. A key metric developed in that effort was the accessibility of these amenities to Redmond's residents. The study determined that the percentage of Redmond's neighborhoods within ¼ mile from these amenities was a good standard. The plan identifies the neighborhoods and the basis for evaluation.

Calculation Method: The City's parks staff will revise the metric for this measure as needed using the City's GIS capabilities.

Indicator 2: Percent of the twelve significant streams that can support native habitat as measured by an index of 35 or higher.

Measure Description: A measure used to determine the health of a stream ecosystem by analyzing the bug population. Also known as the "bug index", which is an appropriate primary indicator to measure the ecological health of Redmond streams and whether or not they can support native habitat.

Calculation Method: An index score of 35 or higher is necessary to support native habitat. Scores range from 10-50, (50 being the healthiest). For conditions to be healthy for salmon, the bug index score needs to be 35 or greater. Scores for Redmond streams are calculated annually.

Indicator 3: Single Family Residential Waste Stream (garbage plus recycling) and recycling rate.

Measure Description: The City's focus for the solid waste and recycling program in priority order is to reduce, reuse, recycle (3R's) and then have disposal as the last and the least preferred option for dealing with waste. The recycling rate alone is not a good measure since if the rate goes up it can be good or bad depending on whether the waste stream has gone up, down or stayed the same accordingly. While it is still very difficult to measure the true success of reduction and reuse, we can get a sense through looking at the overall waste stream generated per household and partnering that with the overall

recycling rate. This gives us a better indication of our goal for this program, to minimize the waste stream and then recycling as much as possible. This measure focuses on single family residential waste stream and recycling rate since the data is more readily available, the effects of program changes can be more readily measured and changes (improvements) have a greater impact of the overall waste stream.

Calculation Method: The waste stream is made up of the garbage tonnage and the recycling tonnage combined. These rates will be a combination of curbside pickup and data from our recycling events. Residential customers that self-haul their garbage and/or recycling to the transfer station and/or waste mobile will not be counted. The City will acquire the curbside data from Waste Management's monthly reports to the City as part of our solid waste contract. The recycling event totals will come from the various vendors that provide service at the event. The garbage and recycling tonnage information is reported by Waste Management each month along with the number of active accounts for each. We consider the number of accounts as the number of households. The number of accounts varies each month as new customers are added and some are removed. The number of accounts for the year will be an average of the reported monthly accounts for both the garbage and recycling.

Indicator 4: Percent of citizens satisfied with the quality of green spaces and trails (inclusive of parks).

Measure Description: A measure used to determine the level of satisfaction of users with the variety of open space and trails in the City.

Calculation Method: Data for this measure will be generated by the City's biennial survey.

INTRODUCTION/SUMMARY OF CAUSE & EFFECT MAP

The 2015-2016 Clean and Green Results Team's map, indicators and purchasing strategies were developed by team collaboration and building on the work completed by the previous Results Teams. We placed special emphasis on progressing towards the ultimate goal of a healthy environment for the City of Redmond and determining the cause and effect relationships that lead to achievement of that goal.

To preserve and enhance Redmond's clean and green environment a multi-faceted approach is called for. Three main factors were identified as integral parts to meeting our priority: Healthy Environment, Vision and Stewardship and Environmental Management.

Factor 1: Healthy Environment

Providing a healthy environment for the citizens of Redmond to live, work and play is central to the Clean and Green priority. A healthy environment originates from maintaining and restoring healthy habitats and ecosystems in a responsible way. It includes promoting good water quality in streams and wetlands. In a sense, part of achieving a healthy environment is to determine how to live in total surrounding conditions in a harmonious way. This means ensuring clean air, water and soil within the city. It requires that we place a high priority on the health of the natural environment and are thoughtful about the impacts of the built environment. Emphasizing the use of green infrastructure, providing safe and beautiful open spaces and recreational amenities and facilitating walkability will help to ensure that we meet this goal.

Factor 2: Vision and Stewardship

In order to live, learn, work and play in a clean and green environment now and for future generations we must protect the existing natural resources we all enjoy today. Strong connections and partnerships between City departments, businesses and the community have established a grand vision that will continue to steer us to this ultimate goal. Providing education and outreach will ensure that the community values that have been established are passed on to future generations. Utilizing Best Management Practices in all we do will ensure that we are applying the most up-to-date operating methods. Fostering innovation, new technology and sustainability as central priorities in all we do will keep the City on track to maintain and protect our valuable resources.

Factor 3: Environmental Management

The clean and green environmental management will flourish when a holistic approach between City departments, businesses and the community come to an understanding of what a healthy environment is. Effective management practices in maintaining City infrastructure, parks and open space will ensure continued protection of the environment. It is necessary that we restore streams, wetlands and habitat areas that were degraded in the past to ensure their continued viability. Reduction of hazardous waste and pollutants will limit negative impacts to our valuable resources. Exploring and utilizing the best available technology and innovation will further the City's ability to manage our resources successfully. Protocols focused on keeping these public assets clean and well-performing will provide the highest level of environmental protection we can reasonably reach as a city.

The Cause and Effect Map for this budget priority illustrates the dynamic relationships between the three factors, showing how vision and stewardship and environmental management ultimately lead to the goal of a healthy environment. The graphic illustrates the importance of performance measures to show progress in reaching our goal of a healthy environment. At the same time, the outcome of a healthy environment will continue to shape and grow our efforts in environmental management and our vision and stewardship.

PURCHASING STRATEGIES

WE ARE LOOKING FOR OFFERS THAT:

Strategy 1: Demonstrate how your offer will effectively improve current practices to enhance the subfactors contained within the "Vision and Stewardship", "Environmental Management" and "Healthy Environment" headings.

A clean and green city requires effective management of its basic services. It is a progressive and forward thinking city that can provide these services while concurrently improving the environment. We will favor offers that demonstrate how our current management practices for a clean and green city can be improved or enhanced by identifying and implementing innovative and cost-effective new technologies and programs.

Strategy 2: Encourage business and community partnerships and cross departmental teams.

Cross-departmental coordination, partnerships with non-governmental organizations, other cities and regional governments can increase the value obtained for resources used. In addition, partnerships help to strengthen relationships and create region-wide momentum toward building a clean and green environment. Offers that promote collaborative partnerships, education and outreach are strongly encouraged.

Strategy 3: Demonstrate how your offer will reduce negative impacts to our environment and/or promote sustainable consumption.

Reducing our negative impact on the environment is critical to improving and maintaining a clean and green city. Offers should encourage sustainable consumption through innovative management and practices. Examples may include waste reduction, recycling, controlling pollution, restoration, conservation, energy efficiency, water conservation, alternative transportation, a green fleet, use of efficient green infrastructure, low impact development or other forward-thinking practices that will help achieve this goal.

Strategy 4: Continue to create, develop and maintain the City's safe and beautiful parks, open spaces and places to recreate with emphasis on walkability and connectivity.

As our city becomes more urbanized, it is imperative that we enhance our identity as a physically beautiful place to live, work, learn and play. We will favor offers that create, develop and/or maintain healthy and sustainable habitats and ecosystems; parks, recreation areas and open spaces; and increased walkability and connectivity between parks, open spaces, neighborhoods, and urban centers.

Strategy 5: Provide education and outreach to promote a clean and green lifestyle for residents, businesses and other community stakeholders.

Stakeholders participation and actions are key to creating and improving our healthy environment. We support offers that include education and awareness that provide our community with the tools they need to become partners in achieving this goal. We encourage programs that raise the level of participation through practical, creative and innovative outreach ideas. In your offers, consider the diversity of our residents and businesses and how to tailor your approach to reach them effectively.

NOTES/PRACTICES/SUPPORTING EVIDENCE

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