

Land Use Strategies for Reducing Greenhouse Gases

Regional and Neighborhood Scale Tables

Introduction and how to use these tables

Communities must consider air quality and public health along with their housing needs, economic development priorities, transportation needs and other quality of life issues. We believe that with careful location and planning, growth management concepts that benefit regional air quality and address climate change can be compatible with protecting the health of individuals at the neighborhood level.

We acknowledge the uniqueness of communities – that there is no “one size fits all” solution – and are committed to working with jurisdictions to implement solutions that are best for their communities. These tables provide initial guidance about which land use strategies may be most useful in local communities. The choices or decisions each community makes depends upon the unique characteristics of the community and the benefits they wish to focus on.

We have designed our growth management policies to be used at multiple levels – from comprehensive transportation and growth management plans down to design and construction of individual projects. The policies may also be incorporated into development regulations, providing guidance for permitting criteria and standards. These tables are intended to give some guidance and examples of how these policies can be implemented at the regional and neighborhood levels, where they are most useful, the benefits that can be achieved and timeframes for expecting a return on investment.

Land Use Strategies for Reducing Greenhouse Gases - *Regional Scale*

STRATEGIES	POTENTIAL BENEFITS 1 = low, 5 = high						TIME TO IMPLEMENT	USEFULNESS IN SPECIFIC COMMUNITIES			
	Reduces Vehicle Miles Traveled	Reduces Vehicle Hours of Travel	Reduces Carbon Dioxide	Reduces Other Emissions	Reduces Single Occupant Vehicle Trips	Increases Bike/Walk/ Transit Trips & Mode Choice		Bellevue, Bremerton Everett Seattle Tacoma	Auburn Bothell Federal Way Kent Kirkland Lakewood Lynnwood Puyallup Redmond Renton SeaTac Silverdale Tukwila	Bainbridge Island Burien Des Moines Edmonds Issaquah Kenmore Marysville Mercer Island Mountlake Terrace Mukilteo Sammamish Shoreline University Place Woodinville	All other cities and towns
Regional center development: Concentrate new development in designated areas in the region	5	2	5	5	4	5	5-10+ years (depending on development opportunities)	High	High	High	Limited
Transit service improvements: Reducing travel time, add more routes and buses	5	2	5	5	5	5	1-10+ years (depending on nature of improvements)	High	High	Some	Limited
Transit pricing incentives: Reduce the relative price of transit	3	2	3	3	2	3	1-5 years	High	High	High	Some
Road and parking pricing programs: Increase the cost of parking, charge for using roads	3	5	2	3	4	3	5-10 years (regional or jurisdiction-wide programs)	High	High	High	High

Land Use Strategies for Reducing Greenhouse Gases - *Neighborhood Scale*

STRATEGIES	POTENTIAL BENEFITS 1 = low, 5 = high, TBD = pending research						TIME TO IMPLEMENT	USEFULNESS IN SPECIFIC COMMUNITIES			
	Reduces Vehicle Miles Traveled	Reduces Vehicle Hours of Travel	Reduces Carbon Dioxide	Reduces Other Emissions	Reduces Single Occupant Vehicle Trips	Increases Bike/Walk/ Transit Trips & Mode Choice		Bellevue Bremerton Everett Seattle Tacoma	Auburn Bothell Federal Way Kent Kirkland Lakewood Lynnwood Puyallup Redmond Renton SeaTac Silverdale Tukwila	Bainbridge Island Burien Des Moines Edmonds Issaquah Kenmore Marysville Mercer Island Mountlake Terrace Mukilteo Sammamish Shoreline University Place Woodinville	All other cities and towns
Land use mix: Mix residential & commercial uses in an area	5	3	5	5	5	5	5-10+ years	High	High	High	Some
Residential density: Increase the number of homes in an area	3	1	4	3	4	4	5-10 years	High	High	High	Limited
Retail density: Increase the amount of retail in an area	4	3	4	5	5	5	5-10 years	High	High	High	Limited
Retail availability: Increase the proximity of retail to homes and jobs	4	3	5	5	5	5	5-10+ years	High	High	High	High
Network connectivity: Increase the number of street intersections	4	2	4	3	2	5	5-10+ years	High	High	High	Some
Employment center development: Increase number of jobs in an area	5	4	4	4	3	3	1-10 years	High	High	Some	Limited
Streetscape enhancement: Street furniture, lighting, plazas	1	1	TBD	TBD	2	3	1-10 years	High	High	High	Some
Connections to transit: Reduce distance from home to transit stops	3	1	TBD	TBD	3	3	1-10 years	High	High	High	Some
Pedestrian and cycling facilities: Increase the number of facilities	2	1	TBD	TBD	1	4	1-10+ years	High	High	High	High