

EARTH TRUST

Ponderosa / Pincushion Ridge Area Sector Plan – Table 16

	Energy & Emissions	Water, Stormwater & Greywater	Natural Resource & Solid Waste	Ecosystem Integrity	Local Food	Individual and Community Health	Economic Viability, Stability and Opportunity
Land-use and Layout	Minimize automobile orientation by reducing car dependence, road footprint & parking lots	-Facilitate ground recharge of storm water -Development in proximity of water infrastructure by phases	-Adapt urban pattern to the natural landscape features -Strive to reduce tree loss from Western Pine Beetle	-Conserve land with compact, mixed use development -Minimise site disturbance -Respect steep slopes	Access to local produce Food producing landscape Community green-space for gardens	-Diversity of housing -Walkable streets -Universal accessibility -Internal connectivity -Affordable housing opportunities	-Affordable rental and market housing -Promote range of housing types so people of different incomes and ages can live together.
Transportation	-Encourage energy efficiency in basic infrastructure -Provide a Transit Centre -TOD development	-Integrate infrastructure systems into single trenches to reduce ROW widths -Use ditches or ground recharge systems for road drainage.	-Encourage a recycled content in asphalt paving, so to reduce extraction & process of raw material	-Increase the permeability of road -Avoid endangered ecological communities or make compensation plans	Promote smart-growth principles for people to walk to grocer/ farms Support local food products to reduce shipping needs	Promote alternative transportation, such as bicycle network transit hub, car pool coordination and walkable safe streets in the mixed use urban village area	Encourage innovation in construction of low-maintenance roads Promote bike rental or bike exchange in the Urban Village area
Green Buildings	-Certified green LEED buildings -Energy efficiency in buildings -Passive & active solar strategy	-Reduce water-use -Rainwater utilization -Promote water efficient landscaping & xeriscape	-Renewable energy as a source for heat and air conditioning. -Encourage recycled materials in new buildings	-Reduce carbon emission from buildings -Reduced pollution from construction activities	Green roof terraces for food production Herb Gardens within Multi-Family landscaping	Healthy buildings, for the long-term health of housing occupants. Natural interior lighting Heat recovery ventilation	Sustainable, building construction for adaptability, durability and to conserve resources
Multi-Dimensional Open Space	-Use landscaping, existing trees to reduce surface heat - Reduce CO ₂ emissions through natural vegetation	Integrate surface water & riparian corridors into parks and pathways and the urban village	Plan future parks with natural landscape retention where practical	-Sustain Nature Parkland -Habitat strategy to respect biodiversity In greenspace	-A cultural of support for the ALR -Promote patronage of neighbourhood farms & gardens	Connect the golf residential neighbourhoods together and to the Urban Village with accessible pathways	Provide a wilderness trail system to utilize natural open spaces
Green Infrastructure Systems	-Employ renewable energy -District geothermal heating and cooling -Promote reduction of light pollution	-Retain runoff in detention ponds for golf irrigation -Promote aquifer recharge and rainwater cisterns -Recycle greywater	-Consider community composting sites -Reduce local soil erosion with controlled storm water discharge	Heat island reduction & microclimate preservation through green roofs and re-vegetation	Ecological management & fertilization for golf course Reduce water with conserving irrigation systems	Promote physical proximity between housing, recreation, shopping & employment	Implement sustainable infrastructure reduce environmental impact and support green industries
Local Facilities, Programs and Process	-Promote walking to facilities -Conservation management programs -Mix uses for proximity access	-Meter all residential water use -Teach necessity of water conservation	-Local waste reduction & recycling education -Acknowledge environmental and waste management	-Local ecological awareness/ stewardship -Local control of invasive plant species	Promote wellness through knowledge of nutrition & local food production	Promote community participation fitness, recreation, hiking and cycling.	Promote community building through facilities, programs and other means
Jobs, Businesses & Investment	Seek opportunities to market alternative energies & resource efficient products	-Encourage renewable industries -Undertake education programming	Identify business opportunities through recycling, renewable energy & composting	-Realize profit within ecology -Market lifestyles promised through sustainable living	-Emphasize local food consumption -Provide direct farm marketing at the Urban Village plaza.	Recruit medical, fitness, recreation and wellness industries in the plan area.	-Diversity of employment opportunities -Reduce accessibility barriers for aging population as the prime lifestyle consumers
Management	Monitor new development to implement best sustainability practices for energy efficiency	Promote new or more economical water utility technology Control system leakage	Encourage innovation in construction waste management	Triple bottom line	Stratify ownership of community garden plots	Teach the benefits of sustainability to strengthen community wellness Encourage local sporting events	Market golf facility internationally Encourage high quality enterprises to locate in the Urban Village