

ENERGY

VISION: Corvallis has achieved energy security and net zero greenhouse gas emissions.

Goal 1: By 2025, Corvallis will reduce per capita consumption of energy in the built environment by greater than 50% using energy efficiency and conservation.

Strategy 1: Assist residents in implementing conservation and efficiency upgrades as recommended from home energy audits.

Action 1: *Market* (through web, local media, local events, quarterly gatherings, etc.) the efficacy of conservation and efficiency as a priority toward energy sustainability. Broadly disseminate information about conservation and efficiency upgrades, highlight particularly successful projects, and support continued efforts.

Action 2: *Contact* citizens to arrange energy audits for 100% of homes and businesses and serve as partners/advisors for citizens during energy audits.

Action 3: *Assist* residents in implementing audit recommendations.

Strategy 2: Ensure professional conservation and efficiency installation capability to meet demand.

Action 1: *Increase* technical training for contractors to ensure awareness of the most cost-effective conservation and efficiency upgrades as well as supporting financial incentives.

Action 2: *Provide* communication guidance for contractors to ensure they are informing customers of the most cost-effective conservation and efficiency upgrades.

Action 3: *Implement* quality control through customer feedback and contractor training to ensure conservation and efficiency upgrades are being installed to the highest technical and professional standards necessary to achieve actual energy savings.

Strategy 3: Provide incentives for new/existing construction to meet net zero energy criteria.

Action 1: *Establish* criteria for net zero energy/sustainable building practices.

Action 2: *Work* with City, County, and State to create incentives through property tax reductions to achieve net zero building energy use.

Action 3: *Investigate/develop* additional incentives to support achieving net zero energy use in buildings (e.g., work with Energy Trust of Oregon).

Goal 2: By 2025, all energy utilized in Corvallis will be 100% renewable.

Strategy 1: Support the installation of locally owned renewable energy generation in and around Corvallis.

Action 1: *Develop* financial incentives to encourage the installation of renewable energy generation on local properties (e.g., rooftop PV).

Action 2: For all new residential construction, *require* compliance with portions of adopted sustainable building standards that specify renewable energy production readiness.

Action 3: *Facilitate* local ownership of large, cooperative, off-site installations (e.g., cooperative ownership of a large PV array located outside City limits).

Goal 2: (continued)

Strategy 2: Ensure that all energy streams being imported to Corvallis are renewable.

Action 1: *Expand* access to and purchasing of renewable electricity, like Pacific Power's Blue Sky program.

Action 2: *Expand* access to and purchasing of renewable liquid fuels (e.g., work with Sequential and other regional biofuel producers and distributors).

Action 3: *Expand* access to and purchasing of renewable gaseous fuels.

Strategy 3: Identify and develop local potential for renewable energy production.

Action 1: *Investigate* local potential for wind, wave, and hydropower (conventional and in-stream).

Action 2: *Investigate* local potential for biological sources of energy production (e.g., biomass, biofuels, biogas, etc.).

Action 3: *Collaborate* with OSU to commercialize renewable energy technology locally, to support local renewable energy production and job creation.

Goal 3: By 2030, Corvallis will eliminate net greenhouse gas emissions from energy use.

Strategy 1: Monitor greenhouse gas emissions to establish a baseline and monitor progress.

Action 1: *Facilitate* research and development of accurate and reliable tracking methods (collaborate with OSU).

Action 2: *Track and report* (annually) net greenhouse gas emissions from Corvallis.

Strategy 2: Adjust energy costs to reflect GHG emissions and use revenues to fund GHG elimination efforts.

Action 1: *Adopt* Corvallis surcharges on fossil energy utilization that reflect the true costs, including impacts to the environment and human health.

Action 2: *Establish* grant programs to fund greenhouse gas mitigation projects using funds raised through energy surcharges.

Strategy 3: Mitigate greenhouse gas emissions through local land use and management.

Action 1: *Develop* a list of best management practices for small land owners and homeowners to implement in order to achieve greenhouse gas mitigation (e.g., planting trees, garden and lawn management, etc.).

Action 2: *Increase* local conservation areas (greenbelts and native grasslands).

Action 3: *Facilitate* the development and implementation of local forestry and agricultural practices that improve greenhouse gas mitigation capacity (e.g., alternative tillage and cropping practices, selective thinning, etc.).