



Eco-Logical Business Program

Landscape Services Application

Thank you for applying for EcoBiz

We recognize landscaping operations that reach the highest standards in environmental best practices and work to prevent air, water, and hazardous waste pollution.

Once you complete and submit your checklist, a program representative will contact you within two weeks to schedule a site visit, and help you complete your certification.

EcoBiz Technical Assistance Provider:



Contact Information

Contact Name

Title/Position

Business Name

Street Address

City, State, Zip Code

Email

Phone

Website

How many employees do you have?



Introduction

Complete the following steps to become EcoBiz Certified: *Program*

- Complete all sections of the landscape checklist that apply for your business
- Complete an initial site visit of your yard, storage areas, and office
- Provide example site plans, contract documents, standard operating procedures, and customer guides
- Provide copies of licenses, bonds, insurance, and related certifications
- Submit at least three (3) work locations for program staff to visit
- Adopt recommendations and complete final site visit with Oregon DEQ and local water authority

Notes:

Licenses, Bonds and Insurance

LBI1 <i>legal</i>	Are you a licensed landscape contractor? <i>Contact the Landscape Contractors Board of Oregon for more information: lcbinfo@lcb.state.or.us or (503) 967-6291</i> Enter LCB number, provide a copy.	Yes	No	N/A
LBI2 <i>legal</i>	Does your company have a valid business license? Enter licensing agency and number, provide a copy.	Yes	No	N/A
LBI3 <i>legal</i>	Does your company have public liability, personal injury and property damage insurance? <i>(ORS 671.510 to ORS 671.710)</i> Enter issuing agency and policy number, provide a copy	Yes	No	N/A
LBI4 <i>legal</i>	Does your company have a surety bond filed with the Landscape Contractor Board (ORS 671.690) or another organization? Enter organization & number, provide copy.	Yes	No	N/A



Employee Training

ET1 prog.	Have all employees been trained on the following? <ul style="list-style-type: none"> • Principles of Integrated Pest Management • Plant and pest identification • Horticultural practices 	Yes	No	N/A
ET2 prog.	Have all employees who install or maintain landscapes been trained in the following? <ul style="list-style-type: none"> • Erosion control • Safe equipment handling procedures • Need for/proper use of hearing protection • Proper handling of chemicals and waste • Spill prevention and response procedures, including location of spill kits 	Yes	No	N/A
ET3 prog.	Have all employees who handle large scale irrigation projects been trained in the following? <ul style="list-style-type: none"> • Water management / budgeting • Irrigation system design & repair • Specific capabilities of any system they operate • Irrigation meter billing structure 	Yes	No	N/A
ET4 prog.	Have you and your employees obtained landscape knowledge through one of the following sources? <ul style="list-style-type: none"> • Landscape Industry Certified Technician (OLCA) • NALP (formerly PLANET) or other national certification • College Coursework 	Yes	No	N/A

General Landscape Practices

GL1 prog.	Do you select plants and group in 4' clumps for pollinators?	Yes	No	N/A
GL2 prog.	Do you select insectary plants to attract beneficial insects and to repel pests?	Yes	No	N/A

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GL3 prog.	Do you select groundcover that requires minimal watering, chemical inputs, and overall maintenance suited for use?	Yes	No	N/A
GL4 prog.	Do you select turf appropriate for slope, soil and microclimate?	Yes	No	N/A
GL5 prog.	Do you condition and prepare soil per specifications for beds, turf, crop plants, etc.?	Yes	No	N/A
GL6 prog.	Do you apply mulch to prevent freeze/thaw damage and erosion, retain moisture, suppress weeds and add nutrients?	Yes	No	N/A
GL7 prog.	Do you identify and remove undesirable plants and appropriately compost (i.e., take invasives to commercial composter)?	Yes	No	N/A
GL8 prog.	Do you replace high input plants (i.e., require fertilizers and pest control) with low input plants?	Yes	No	N/A
GL9 <i>Program All required</i>	<p>Does your customer contract address the elements of Integrated Pest Management?</p> <ul style="list-style-type: none"> • Site monitoring and recordkeeping • Pest / problem identification • Pest tolerance levels / action triggers • Cultural controls • Physical / mechanical controls • Biological controls • Least toxic chemical controls • Evaluation of treatment effectiveness <p>Describe IPM Policy:</p>	Yes	No	N/A
GL10 prog.	<p>Do you utilize preventative, least-toxic methods for disease and pest control?</p> <p><i>(50% per section required)</i></p> <p>Cultural</p> <ul style="list-style-type: none"> • Pest/disease resistant plants • Conservation watering practices • Organic amendments or slow release fertilizers • Maintenance of high species diversity and elimination of monocultures in plantings • Dense planting to shade out weeds. ...next page 	Yes	No	N/A

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	<ul style="list-style-type: none"> • Sterile or sanitary techniques to prevent the spread of pests (cleaning tools after use) <p>Physical / Mechanical</p> <ul style="list-style-type: none"> • Mulching planting beds • Traps (e.g. yellow sticky boards, traps) • Barriers (wood ash or copper, plastic edging, landscape fabric, beer traps) • Hand removal (e.g. pests; diseased tissue) • Hand weeding / string trimming / mowing / cultivation <p>Biological (Non-chemical)</p> <ul style="list-style-type: none"> • Use of natural or introduced beneficial species (e.g. plants, insects or disease parasitoids, predators, microbial products) • Pheromone traps • Companion plantings • Allelopathic plants <p>Chemical Controls <i>(skip if no chemical controls used)</i></p> <ul style="list-style-type: none"> • Spot treatment, rather than blanket application • Select chemical with lowest toxicity (i.e. insecticidal soap) and/or shortest residual effect • Appropriate timing (to coincide with pest or disease life stage) for maximum control • Appropriate chemical for the problem • No combined products (such as weed and feed or disease and insect treatments) 			
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GL11 <i>elect.</i>	Do you install boxes, wood brush, rock piles, grasses and pole boxes for beneficial species?	Yes	No	N/A
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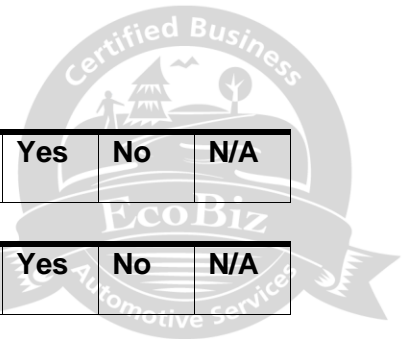
GL12 <i>elect.</i>	Do you select plants and install mud banks for amphibians?	Yes	No	N/A
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GL13 <i>elect.</i>	Do you test soil every 3-5yrs for nutrients and pH?	Yes	No	N/A
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GL14 <i>prog.</i>	When installing new plants, do you backfill with same soil (mix in compost) versus using amended soil?	Yes	No	N/A
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GL15 <i>elect.</i>	Do you identify and salvage plants for reuse during appropriate season (i.e. evergreens late fall and deciduous early spring)?	Yes	No	N/A
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GL16 <i>elect.</i>	Do you remove turf without use of chemicals?	Yes	No	N/A
GL17 <i>elect.</i>	If the soil is nutrient deficient, do you use slow release granular fertilizers after plant installation?	Yes	No	N/A
GL18 <i>prog.</i>	Do you refrain from pruning more than a ¼ of the tree in one year?	Yes	No	N/A
GL19 <i>elect.</i>	Do you replace plants that require heavy pruning?	Yes	No	N/A
GL20 <i>elect.</i>	Do you treat tree wounds without the use of paints or coats?	Yes	No	N/A
GL21 <i>prog.</i>	Do you use compost tea or slow release organic fertilizers?	Yes	No	N/A
GL22 <i>prog.</i>	Do you use oils, diatoms and soaps in lieu of chemical pesticides?	Yes	No	N/A
GL23 <i>prog.</i>	Do you encourage customers to remove impermeable surfaces, and replace with rain gardens, pavers or permeable concrete to improve infiltration?	Yes	No	N/A
GL24 <i>legal</i>	<p>Do you check for local city/county ordinances affecting your work prior to starting?</p> <ul style="list-style-type: none"> • Zoning - property lines, setbacks, environmental resources, etc. • Tree requirements • Building codes • Stormwater management requirements • Plumbing codes (required for installers) • Erosion control regulations (required for installers) • Covenants or deed restrictions (CCR's from HOAs) 	Yes	No	N/A
GL25 <i>prog.</i>	<p>Do you help clients understand the advantages of “green” landscaping techniques and practices, and how they affect their property?</p> <p><i>At least one required for each section</i></p> <p>Plant Maintenance</p> <ul style="list-style-type: none"> • Comprehensive Integrated Pest Management (IPM) • The different aesthetics that come with natural 	Yes	No	N/A

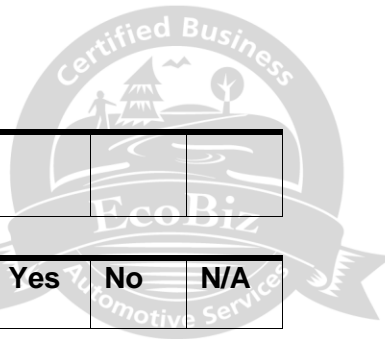


	<p>maintenance</p> <ul style="list-style-type: none"> • The value of ongoing monitoring visits • Plant substitution (native, non-invasive or non-spreading, etc.) <p>Water Use</p> <ul style="list-style-type: none"> • Explain Irrigation system scheduling and maintenance • Provide information about water management based on season, temperatures, etc. • Water use reduction and conservation, rainwater capture • Alternative water resources • Explain the benefits of grasscycling and composting <p>Pollution Prevention</p> <ul style="list-style-type: none"> • Provide a list of alternatives to chemical fertilizers • Provide a list of alternatives to pesticides • Show how to prevent runoff, and explain why 			
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General Design

GD1 legal	<p>If your business does design work for public properties (or creates technical specifications for another company or individual to follow), do you employ a Registered Landscape Architect (ORS 671.310 to 671.459)?</p>	Yes	No	N/A
GD2 prog.	<p>For work on private property, are you or do you have a certified landscape designer on staff?</p> <ul style="list-style-type: none"> • APLD certification • Registered Landscape Architect (ORS 671.310 to 671.459) • College Degree (please describe Specify training, or certification) 	Yes	No	N/A
GD3 legal	<p>Do you use one of the following techniques do you use to investigate utility locations onsite?</p> <ul style="list-style-type: none"> • Call locator service • Check service maps • Pothole (hand dig to locate buried pipes) 	Yes	No	N/A

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	<ul style="list-style-type: none"> • Previous site design notes/maps • Homeowner interview 			
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GD4 prog.	Do you encourage customers to replace turf with groundcover or mulch to reduce water or chemical inputs?	Yes	No	N/A
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GD5 legal	<p>Do site plans include the following elements to assure access and safety standards defined by the Americans with Disabilities Act (ADA) for publicly accessible spaces?</p> <ul style="list-style-type: none"> • Paving • Grades • Handrails 	Yes	No	N/A
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Pesticide Use

PU1 legal	<p>Does your company comply with legal requirements for pesticide application?</p> <p><i>Any employee applying Restricted Use Pesticides has current Pesticide Applicator's license issued by the Oregon Department of Agriculture and follows manufacturer's directions.</i></p>	Yes	No	N/A
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PU2 prog.	<p>Do you prioritize products with the following characteristics?</p> <ul style="list-style-type: none"> • Target specific • Pest life-stage & site appropriate • Safe for applicator & site users • Low mobility & persistence 	Yes	No	N/A
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PU3 prog.	<p>Do you limit pesticide/herbicide use to Class III and IV EPA toxicity ratings (labeled with "Caution")?</p> <p>List pesticides of concern, and application information:</p>	Yes	No	N/A
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PU4 prog.	<p>Do you avoid using any of the following pesticides, except as a last resort?</p> <p>Beta-cyfluthrin, Bifenthrin, Carbaryl, Chloropicrin, Chlorpyrifos, Cyfluthrin, Deltamethrin, Dichloropropine, Dichlorvos, Diquat dibromide, Disulfoton, Endosulphan,</p>	Yes	No	N/A
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	<p>Hydramethylnon, Imidacloprid, Lambda cyhalothrin, Metaldehyde, Methomyl, Methyl bromide, Myclobutanil, Paraquat, Parathion, Permethrin, Propoxur, Trichlorfon, Triforine, Acephate, Abamectin, Cypermethrin, Dimethylamine, Esfenvalerate, Rotenone, Tetramethrin</p> <p>List any pesticides of concern, and application conditions:</p>			
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<p>PU5 prog.</p>	<p>Do you avoid using any pesticides that are persistent and bioaccumulative?</p> <p>Pesticides: Bifenthrin (Talstarone, Talstar), Chlorpyrifos (Dursban, Empire, Scout), Clopyralid (Stinger, Transline, Reclaim,[2][6] Curtail, Confront, Clopyr AG, Lontrel, Millennium Ultra, Redeem), Deltamethrin (Suspend SC), Diazinon (Namco, 4E, Knox Out 2FM), Dicofol (Acarin, Dicomite, Mitigan), Endosulfan Sulfate (Beosit, Thifor), Esfenvalerate (Asana XI Hallmark), Fenbutatin-Oxide (Promite & Venex 50), Fipronil (Termidor SC, Maxforce Ant Bait), Isodrin, Lambda-Cyhalothrin (Spectracide Wasp/Hornet), Linuron (Afalon, Linex, Lorox), Myclobutanil (Systhane), Nonachlor, Oxyflurofen (Goal, Koltar), Pendamethalin (Pendulum WDG), Picloram, Trifluralin (Flurene SE, Treeflan, Trim, Trust)</p> <p>Fungicide: Pentachlorobenzene, Prochlorax (Sportak).</p> <p>List pesticides of concern:</p>	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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<p>PU6 elect.</p>	<p>Have you replaced any of the pesticides listed with a less toxic alternative?</p> <p>List product substitution:</p>	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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<p>PU7 prog.</p>	<p>Do you utilize granules, pellets, or injectable materials to minimize drift loss?</p> <p>List examples:</p>	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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<p>PU8 prog.</p>	<p>Do you provide customers with the name of any chemical used on-site, and/or post advanced notification of upcoming pesticide applications?</p> <p>List notification procedures:</p>	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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<p>PU9 elect.</p>	<p>Has your company tracked chemical use and expenses over time, or documented chemical use reductions?</p> <p>Describe:</p>	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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<p>PU10 prog.</p>	<p>Do you alter or cancel spraying based on current conditions?</p> <p><i>All required:</i> Wind, Rain, Open waterways adjacent to property, High evaporation rate, Incorrect pest life stage, Workers or bystanders in the area.</p>	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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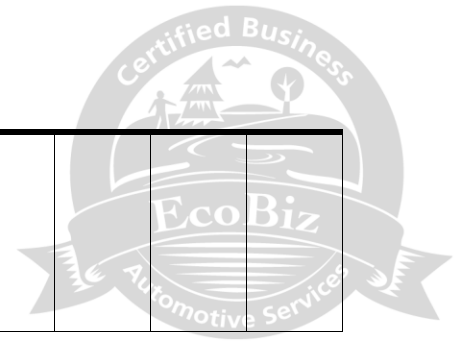
<p>PU11 elect.</p>	<p>Do you minimize pesticide container waste with any of the following?</p> <ul style="list-style-type: none"> • Refillable containers • Effervescent tablets with limited or no containers • Polyvinyl alcohol (PVA) water soluble containers • Gel-based formulations 	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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<p>PU12 prog.</p>	<p>Do you avoid using Neonicotinoids? Clothianidin, Dinotefuran, Imidacloprid, Thiamethoxam</p>	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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Irrigation

<p>IR1 prog.</p>	<p>To design irrigation systems, does your company employ one of the following?</p> <ul style="list-style-type: none"> • Certified Irrigation Designer (Irrigation Association standards) • Landscape Architect • Control System Manufacturer training (Rainbird, etc) + Certified Irrigation Auditor (Irrigation Association) 	<p>Yes</p>	<p>No</p>	<p>N/A</p>
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	standards) <ul style="list-style-type: none"> Other design professional - college degree, etc. List training or certification:			
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IR2 prog.	Do you regularly install irrigation system controllers?	Yes	No	N/A
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IR3 prog.	Do you set cyclic watering schedules that meet regulatory requirements for drought?	Yes	No	N/A
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IR4 prog.	Do you schedule water application using precipitation rate data or soil moisture sensors?	Yes	No	N/A
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IR5 prog.	Do you install the backflow prevention device upstream of the pressure reducing apparatus?	Yes	No	N/A
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IR6 prog.	Do you calibrate irrigation systems according to Irrigation Auditor (IA) standards?	Yes	No	N/A
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IR7 prog.	Do you apply water slowly, infrequently, for long periods to maximize root absorption?	Yes	No	N/A
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IR8 prog.	Do you apply water in several short intervals versus one long period (to eliminate waste/runoff)?	Yes	No	N/A
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IR9 prog.	Do you determine time of runoff/standing water (4-7 or 40-60 minutes if soaker hose or drip system, respectively) and set the irrigation system timer accordingly?	Yes	No	N/A
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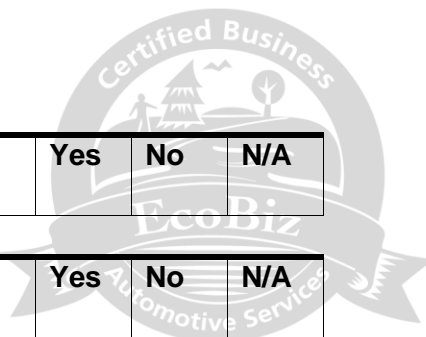
IR10 elect.	Do you design slow application irrigation systems (1/2"/hr)?	Yes	No	N/A
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IR11 prog.	Do you identify mainline leaks and zone valve failure?	Yes	No	N/A
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IR12 prog.	Do you install check valves on the lowest heads (to avoid drainage)?	Yes	No	N/A
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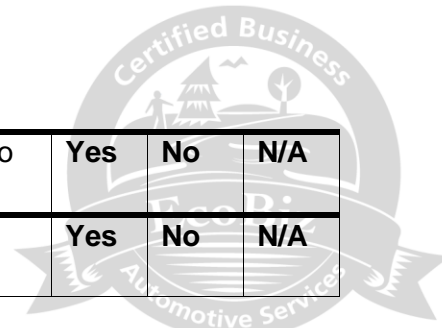
IR13 prog.	Do you install a water meter with electronic flow rate output signal that interfaces with controllers and sensors (to detect leaks and shut off during wind & rain)?	Yes	No	N/A
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IR14 prog.	Do you install a master valve?	Yes	No	N/A
IR15 prog.	Do you install environmental sensors to automatically shut down during wind and rain?	Yes	No	N/A
IR16 prog.	Do you include a valve before the backflow prevention device (emergency water shutoff)?	Yes	No	N/A
IR17 prog.	Do you install drain valves on all irrigation zones (for winterization)?	Yes	No	N/A
IR18 prog.	Do you refrain from using automatic drain valves on irrigation lateral lines (to avoid water loss)?	Yes	No	N/A
IR19 prog.	Do you install a master valve at the water source (for full system cutoff/leak detection)?	Yes	No	N/A
IR20 prog.	Do you post zone precipitation rate data at the controller?	Yes	No	N/A
IR21 prog.	Do you flush the main line and laterals prior to installing sprinkler heads?	Yes	No	N/A
IR22 prog.	Do you calibrate to 55% or greater quarter distribution uniformity for fixed spray systems?	Yes	No	N/A
IR23 prog.	Do you irrigate the root zone (to a depth of 12-18" deep) versus irrigate overhead?	Yes	No	N/A
IR24 prog.	Do you irrigate in three or more cycles, a ½ hour to one hour apart?	Yes	No	N/A
IR25 prog.	Do you measure water use and detect leaks?	Yes	No	N/A
IR26 prog.	Do you shut down and drain irrigation systems for winter?	Yes	No	N/A
IR27 prog.	Do you use a trickle or drip versus an overhead irrigation system when appropriate?	Yes	No	N/A

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IR28 <i>prog.</i>	Do you identify application rates for each irrigation zone to the wet root zone?	Yes	No	N/A
IR29 <i>prog.</i>	Do you install pressure compensating, matched precipitation rate nozzles for each irrigation zone?	Yes	No	N/A
IR30 <i>elect.</i>	Do you install swing joints with pop up spray heads?	Yes	No	N/A
IR31 <i>elect.</i>	Do you install a backflow prevention device with insulated housing (to prevent freeze damage)?	Yes	No	N/A
IR32 <i>elect.</i>	Do you size pipe to maintain 10-15% of working pressure (to minimize pressure differences)?	Yes	No	N/A
IR33 <i>elect.</i>	Do you calibrate to 65% or greater lower quarter distribution uniformity for part circle rotary system?	Yes	No	N/A
IR34 <i>elect.</i>	Do you calibrate to 70% or greater lower quarter distribution uniformity for full circle rotary systems?	Yes	No	N/A
IR35 <i>elect.</i>	Do you use an air compressor to expel water from the lines near the check valves?	Yes	No	N/A
IR36 <i>elect.</i>	Do you incorporate water harvesting (i.e. cisterns or rain barrels)?	Yes	No	N/A

Ponds and Water Features

PW1 <i>elect.</i>	Do you select low volume bubblers over ponds?	Yes	No	N/A
PW2 <i>elect.</i>	Do you setback ponds 25ft from surface water (to control invasives and temperature)?	Yes	No	N/A
PW3 <i>prog.</i>	Do you establish water feature emergency overflows to protect buildings and adjacent property?	Yes	No	N/A
PW4 <i>prog.</i>	Do you create buffers around water features to prevent chemical inputs from turf/landscape?	Yes	No	N/A
PW5 <i>elect.</i>	Do you design large ponds with a minimum surface area of 50sf or 8ft diameter with a maximum depth of 18-36"?	Yes	No	N/A

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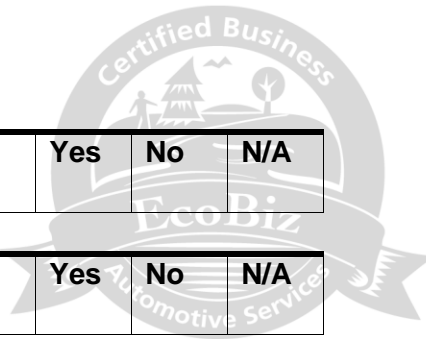


PW6 prog.	Do you use recirculating pumps to move a minimum of half the volume of a pond every hour (to promote water movement)?	Yes	No	N/A
PW7 elect.	Do you place the pump/inlet as close as possible to a waterfall in a pond?	Yes	No	N/A
PW8 elect.	Do you use multiple valves for flow control and provide a shut off/draining function in ponds?	Yes	No	N/A
PW9 elect.	Do you keep the water course short and the drop length low in ponds (to reduce spray	Yes	No	N/A
PW10 elect.	Do you use rocks to keep waterfalls in contact with wet surfaces in ponds (to reduce water loss)?	Yes	No	N/A
PW11 prog.	Do you use shade, water movement, skimming and filtration as opposed to chemical treatment in ponds (to reduce algae)?	Yes	No	N/A
PW12 elect.	Do you use emergent, submergent and floating plant species in ponds (to create a stable diverse plant community)?	Yes	No	N/A
PW13 elect.	Do you use native or noninvasive exotics in ponds?	Yes	No	N/A
PW14 prog.	Do you cover 60% of open water on ponds with surface or overhead vegetation (for temperature control)?	Yes	No	N/A
PW15 prog.	Do you design/install a (min) 25ft underground overflow/outlet on ponds (to cool water prior to discharge)?	Yes	No	N/A

Turf

TU1 prog.	Do you grass cycle to reduce fertilizer application and provide habitat for earthworms?	Yes	No	N/A
TU2 prog.	Do you use low grow, no mow groundcover?	Yes	No	N/A

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TU3 <i>prog.</i>	Do you use drought resistant grasses and low growing flowers on steep slopes?	Yes	No	N/A
TU4 <i>elect.</i>	Prior to turf installation, do you blend compost into the top 4" of soil?	Yes	No	N/A
TU5 <i>elect.</i>	Do you refrain from using sand with high clay content when preparing soil for turf?	Yes	No	N/A
TU6 <i>elect.</i>	Do you mow grass to 2 ½" and mow grass in shade 2 ¾ to 3" in height?	Yes	No	N/A
TU7 <i>elect.</i>	Do you refrain from cutting grass more than 1/3 of the blade height?	Yes	No	N/A
TU8 <i>elect.</i>	Do you remove soil cores ¼-1/2" in diameter and 3-4" deep to aerate?	Yes	No	N/A
TU9 <i>elect.</i>	Do you use tubular tine forks for small aeration jobs?	Yes	No	N/A
TU10 <i>elect.</i>	Do you use a mechanical tractor pulled unit for large aeration jobs?	Yes	No	N/A
TU11 <i>prog.</i>	Do you refrain from using spikes to aerate?	Yes	No	N/A
TU12 <i>elect.</i>	Do you apply ½" compost pre-aeration?	Yes	No	N/A
TU13 <i>elect.</i>	Do you maintain thatch between ½" -1" in thickness to reduce erosion and bind plants and not restrict the flow of air, water and nutrients?	Yes	No	N/A
TU14 <i>elect.</i>	Do you maintain soil at a pH of 6.5 – 7 to support microbial activity in turf?	Yes	No	N/A
TU15 <i>elect.</i>	Do you monitor and treat crane infestations with the following practices? <ul style="list-style-type: none"> • Identify crane infestations (1-1 ½ " grey brown larvae) by monitoring for sparse or brown patches of turf in May and June 	Yes	No	N/A

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	<ul style="list-style-type: none"> • Treat crane infestations by aerating on a cloudy day • Treat crane infestation by drenching soils with 1 oz. soap/1 g water solution 			
TU16 <i>elect.</i>	<p>Do you use the following practices for red thread disease?</p> <ul style="list-style-type: none"> • Prevent disease (2-24" wet, dark/pink patches in turf) by mowing and grass cycling • Refrain from applying chemicals to diseased turf (because red thread will stop naturally) 	Yes	No	N/A
TU17 <i>elect.</i>	Do you apply slow release fertilizer with a calibrated spreader to turf?	Yes	No	N/A
TU18 <i>elect.</i>	Do you use organic grain (corn, blood meal, soy, alfalfa) at 10-20 lbs / 1000 SF of lawn to fertilize turf?	Yes	No	N/A
TU19 <i>elect.</i>	Do you apply compost to turf that has been screened to 3/8" in particle size and that contains 30-50% moisture?	Yes	No	N/A
TU20 <i>elect.</i>	Do you apply compost to turf at ¼ to ½" or 1 CY/1000 SF of lawn?	Yes	No	N/A
TU21 <i>elect.</i>	Do you incorporate compost during aeration (in the top 4-6" soil)?	Yes	No	N/A
TU22 <i>elect.</i>	Do you top dress turf with compost in the early to mid-spring and in the early fall?	Yes	No	N/A
TU23 <i>elect.</i>	Do you spot treat weeds when they are at 30% coverage or less? Do you reserve full spray when weeds are at at 50% coverage or more?	Yes	No	N/A
TU24 <i>elect.</i>	Do you apply chemicals when roots are growing (when irrigation is available) at the end of November/before the rainy season?	Yes	No	N/A
TU25 <i>prog.</i>	Do you use slow release products from natural or organic sources with an N-P-K ratio of 3-1-2?	Yes	No	N/A
TU26 <i>prog.</i>	Do your designs or modifications minimize turf area by incorporating the following?	Yes	No	N/A



	<ul style="list-style-type: none"> • Avoiding turf on slopes • Avoiding traditional turf in shaded areas • Using grass turf only where required by client for recreation or other needs • Routinely recommending alternatives to turf • Replace turf in difficult-to-mow locations with low maintenance beds 			
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TU27 prog.	<p>Do your design or modifications minimize maintenance by incorporating the following?</p> <ul style="list-style-type: none"> • Specifying low growing or clumping species that need minimal mowing • Turfed areas are edged to prevent grass spread • Areas under trees are not seeded with standard turf species • Turf is replaced with groundcover or mulch to reduce water or chemical inputs 	Yes	No	N/A
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Hardscapes

HA1 legal	<p>How do you minimize impacts, such as increased runoff or temperature pollution, from impervious landscapes?</p> <p><i>At least two required:</i></p> <ul style="list-style-type: none"> • Limited or no hard surfaces • Porous pavement or alternative material that allows drainage • Tree canopy over hardscapes • Increased infiltration from rain garden, bioswale, etc. 	Yes	No	N/A
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HA2 prog.	Do you use natural pervious material (e.g., hazelnut shells, wood chips, gravel, etc.) in lieu of impervious materials for hardscapes?	Yes	No	N/A
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HA3 prog.	When installing hardscapes, do you manage excavation spoils appropriately (onsite or reuse off-site)?	Yes	No	N/A
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HA4 prog.	Do you properly collect and dispose of concrete wastes during hardscape installation by dewatering to the sanitary system and disposing of dry solids in a waste bin?	Yes	No	N/A
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ECOBIZ LANDSCAPE SERVICES CHECKLIST



HA5 prog.	Do you reuse or recycle spent or unused materials at recycling centers/landfills that accept wood, metal and concrete after hardscape installation?	Yes	No	N/A
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HA6 prog.	Do you prioritize use of the following materials? <ul style="list-style-type: none"> • Untreated, naturally rot-resistant wood products (e.g. cedar) • Alternative products (plastic or composite lumber) • Wood products preserved with less-toxic treatments like Alkaline Copper Quaternary (ACQ) rather than Chromated Copper Arsenate (CCA) • Sustainably harvested wood, such as Juniper 	Yes	No	N/A
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HA7 prog.	When maintaining hardscapes, do you use the following practices? <p><i>3 or more required:</i></p> <ul style="list-style-type: none"> • Mechanically remove weeds and moss • Dry sweeping • Avoid hosing off hardscapes • Closely monitoring CCA treated wood, and replacing with non-toxic alternative whenever possible. • Cleaning decks and fences with biodegradable/phosphate-free soap 	Yes	No	N/A
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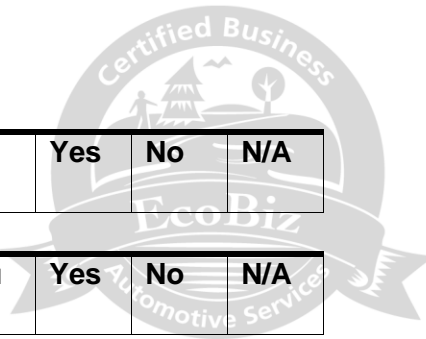
Lighting

LI1 prog.	Do you utilize LED, Solar, HID, low or high pressure sodium lamps in lighting systems?	Yes	No	N/A
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LI2 elect.	Do you design/install lighting systems to emit no light above the “horizontal”?	Yes	No	N/A
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LI3 prog.	Do you use light fixtures approved by the International Dark Sky Association? www.darksky.org	Yes	No	N/A
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LI4 elect.	Do you use energy star photovoltaic or 12-volt for buildings/fixtures lighting systems?	Yes	No	N/A
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LI5 <i>elect.</i>	Do you use no more than 80% of the transformer capacity for a lighting system?	Yes	No	N/A
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LI6 <i>elect.</i>	Do you use astronomical control clocks/relay panels in lieu of (and replace) photo cells in lighting systems?	Yes	No	N/A
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Office & Materials Handling

OM1 <i>prog.</i>	Do you have knowledge of the sewer and storm water drainage systems in your shop and site?	Yes	No	N/A
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OM2 <i>prog.</i>	Do you cover waste and bulk materials to prevent stormwater pollution?	Yes	No	N/A
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OM3 <i>prog.</i>	<p>Do you have systems in place to recycle the following materials?</p> <ul style="list-style-type: none"> • Paper and cardboard • Scrap metal and cans • Plastic bottles, tubs and buckets • Glass • Household batteries • Shop • Planting/nursery pots • Vehicle & equipment batteries • Tires • Fluids • Mowers 	Yes	No	N/A
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OM4 <i>prog.</i>	<p>Does your business follow best practices to prevent spills?</p> <ul style="list-style-type: none"> • Maintenance and refueling occurs only in a designated area within a covered, and contained area • Small-scale dispensers or shutoffs on larger tank systems • All vehicle batteries stored under cover in a container • Spill kits are placed where liquids are stored or transferred, and on all vehicles • Employees are trained in spill response annually 	Yes	No	N/A
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Vehicles and Equipment

VE1 <i>legal</i>	Do you routinely inspect safety shields, fuel lines, equipment fluids, blades, power cords and spark plugs?	Yes	No	N/A
VE2 <i>legal</i>	<p>Do you take any of the following measures to protect employees' hearing?</p> <ul style="list-style-type: none"> • Provide a range of protective equipment • Use mechanical sound barriers or mufflers on equipment • Select equipment with minimal noise production when possible • Annual hearing tests 	Yes	No	N/A
VE3 <i>prog.</i>	<p>Do you purchase equipment with the following characteristics?</p> <ul style="list-style-type: none"> • If gas, four-cycle rather than two-cycle engines • 1997 or newer equipment • Overhead valve rather than side valve engines • Mowers • Mulching • Wide mowing deck 	Yes	No	N/A
VE4 <i>elect.</i>	Have you invested in propane, electric, biodiesel, or manual equipment?	Yes	No	N/A
VE5 <i>prog.</i>	<p>Have you taken steps to reduce fuel use and emissions?</p> <ul style="list-style-type: none"> • Hybrid or electric vehicles • Fleet management software • Re-refined motor oil or lubricants • Route optimization • Idle reduction • Cab top solar technology for battery recharging 	Yes	No	N/A
VE6 <i>legal</i>	<p>Do you use one of the following methods for discharging vehicle and equipment wash water?</p> <ul style="list-style-type: none"> • Zero-discharge, closed loop wash bay 	Yes	No	N/A

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	<ul style="list-style-type: none"> • Discharge to sanitary, with permission* • Discharge to surface waterways with permission* • Discharge to storm sewer, with permission* • Use an approved off-site facility • Less 8 pieces per week, with no soap and cold water <p>*Permission and documentation from the local sewage authority, and/or DEQ.</p> <p>Describe system:</p>			
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