



GLEE's 2nd Annual Green Living Awards

Individuals Category

For Cumulative Efforts leading up to January 1st 2009

Name of Applicant: Leda and Thor Dunmire Key Largo
City/Island

Application Summary

This year was the beginning of our lifelong commitment to each other and to the planet and people that have made us who we are. Our first big steps included installing a solar water heater (thanks to generous wedding donations of many), building and using a 55-gallon compost tumbler and building a 110-gallon dual rain barrel system that collects rainwater from the carport awning for outdoor uses and landscaping. We estimate that we have conserved about 3,000 gallons of water through a combination of the rain barrels and a low-flow toilet and kept more than 400 gallons of trash out of a landfill. Beyond home life, we each work in professions that give back to the Keys community: Thor in research diving and Leda in fisheries conservation. We look forward to contributing more as we learn the best ways to build a greener community from GLEE and other committed groups and individuals.

Detailed Accomplishments

Be as detailed as possible when summarizing your green achievements. Dates enacted, money saved, waste diverted, emissions saved and other such facts factor heavily in final awards.

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| <u>Renewable Energy</u> | Demonstrated use and/or promotion of appropriate solar, wind and bio generated sources of renewable energy. |
| <p>December: installed SkyLine System solar water heater from SolarRoofs.com. Too early to determine energy or cost savings.</p> <p>July: installed solar-powered tiki-torches, bird bath as eco-friendly yard decoration.</p> | |
| <u>Clean Transportation</u> | Demonstrated use and/or promotion of smart, clean and economically efficient uses of biodiesel, fuel cells, and hybrid vehicles. Or no vehicles at all! |
| <p>May-September, 2008: fueled VW Golf TDI with 140 gallons B99 biodiesel from Sol-Atlantic, saving an equal amount of petroleum-based diesel and \$56.00 (dates represent the time we learned about the company until they closed for renovations). We are considering purchasing a 55-gallon drum or similar tank and identifying someone nearby who is interested in biodiesel and entering into some sort of co-op agreement.</p> <p>Year-round: minimized car use by working from home (Leda), biking to work (Thor) and walking (both).</p> | |

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| <u>Clean Boating</u> | Demonstrated adherence and/or promotion of eco-friendly actions whilst on the water, including cleaning products, propulsion, water conservation, fisheries conservation, catch and release techniques, and use of Florida Clean Marinas, Boatyards, and Retailers . |
| <p>Year-round: used a Suzuki 4 stroke engine on our boat to minimize emissions.</p> <p>February: participated in coral relocation work at the Bahia Honda bridge (Thor).</p> <p>October-December: through Pew Environment Group, organized Sustainable Seafood Sunday event to educate public on sustainable and locally-caught seafood choices (Leda).</p> | |
| <u>Energy Conservation</u> | Demonstrated use and/or promotion of energy-efficient appliances, energy audits, and retrofits for financial savings and pollution reduction. |
| <p>Year-round: installed CFC lightbulbs throughout the house (18), saving approximately \$1,172 (based on EnergyStar calculator).</p> | |
| <u>Green Building</u> | Demonstrated use and/or promotion of green techniques and technologies during retrofits on existing buildings and efficient designs for new buildings. |
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| <u>Green Financing</u> | Demonstrated use and/or promotion of tax credits, rebates, and other incentive programs that help finance, sustainability projects. Also includes Socially Responsible Investing. |
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| <u>Healthy Living</u> | Demonstrated adherence and/or promotion of green procurement, green consumerism and healthy choices through buying organic foods and other non-toxic, healthy and sustainable products. |
| <p>Year-round: purchased mostly organic dairy, produce and other products and, when possible, from local farmers or producers. We are largely vegetarian and cook minimal meat (chicken, turkey, fish) at home.</p> <p>Year-round: purchased only sustainably harvested (and when possible, locally-caught) seafood.</p> <p>Year-round: purchased fragrance-free, non-toxic, organic or otherwise healthy personal care and cleaning products, including cleaning products from EPIC, whose proceeds benefit the San Diego Oceans Foundation.</p> | |

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| <u>Land Conservation</u> | Demonstrated adherence and/or promotion of conservation of natural habitats by using Keys-Friendly landscaping practices and use of GreenThumb Certified Nurseries . |
| Year-round: planted native plants using Keys-friendly landscaping: quailberry, wild lantana, spiderlily, coontie. | |
| <u>R4 #1: Reduce</u> | Demonstrated reduction of waste through bulk buying, refillable products, double-sided printing, avoiding over-packaged products, closing the loop by purchasing products made of recycled, post consumer content; implementation of policies which encourage and/or mandate waste reduction. |
| June-December: printed double-sided in home office, conserving approximately 500 sheets paper. Year-round: purchase bulk grains, baking ingredients @ Whole Foods Year-round: use 5-6 reusable grocery bags, conserving approximately 300 plastic or paper bags. | |
| <u>R4 #2: Reuse</u> | Demonstrated reuse of products, buy second hand, donate unneeded items, and avoid disposables, and share magazines /other publications before recycling them. |
| Year-round: donated approximately \$3,000 worth of clothing and household items to the Salvation Army. | |
| <u>R4 #3: Rot (Compost)</u> | Demonstrated waste diversion through composting of food scraps and yard trimmings |
| April: built, installed outdoor compost tumbler and have been composting food scraps since then, reducing weekly trash generation by more than 50%, or approximately 40 10-gallon bags of trash. Year-round: composted yard waste in backyard area set aside for such. | |
| <u>R4 #4: Recycle</u> | Demonstrated recycling of items accepted by local waste hauler and/or other items which may be recycled elsewhere (e.g., electronics, CFL light bulbs, cell phones, printer cartridges); implementation of policies which encourage and/or mandate recycling practices |
| Year-round: recycled glass, metal, plastic (#1, #2), mixed paper and corrugated cardboard. May: donated used electronics and computer parts to recycling effort @ Clear Channel in Key Largo. Year-round: mailed back printer cartridges for recycling. | |

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| <u>Water Conservation</u> | Demonstrated use and/or promotion of water use reduction through efficient irrigation, xeriscaping, cisterns, rain barrels, water audits and/or use of reclaimed water. |
| <p>April: built and used dual rain barrel system to water yard and plants, conserving 220 gallons of water. Year-round: only toilet in the house is low-flow toilet (1.6 gallons per flush), conserving approximately 2,774 gallons of water (compared to 3.5 g/flush toilet, flushing 4 times/day).</p> | |
| Water Quality | Demonstrated use and/or promotion of wastewater treatment, storm water retention, phosphorus free products, slow release fertilizers, animal waste reduction, etc. |
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| Youth Leadership | Involve local students in projects and research for healthy long-term choices in any of the above for the future of all. |
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| GLEE Participation | Actively involved with GLEE via ideas, time and/or membership to help further GLEE's Mission and Goals . |
| <p>February: attended GLEE Expo planning meeting in Marathon. March: attended upper Keys GLEE chapter meeting in Islamorada. May: volunteered as room monitor for GLEE Expo in Marathon.</p> | |
| Other Factors | Have you done something else not included in the scope of this application? Let us know! |
| <p>For our wedding in July, we minimized waste and energy use (and asked guests to do the same) in the following ways:</p> <ul style="list-style-type: none"> -Registered for "green" gifts like a compost pot, organic linens and Whole Foods gift cards -Requested donations toward purchase of solar water heater in lieu of wedding gifts -Sent email Save-the-Dates and requested email RSVPs to reduce mailings -Designed and wrote our own invitations on tree-free paper | |

Green Pledge

I certify that the above information is correct to the best of my knowledge.

