

# Huntington Beach Green Score Card Resources

04-17-09 final

## Part 1: General Suggestions

If you want to "Go Green" and want to be smart about your home remodeling project, then this guide is for you.

It is organized for use with our HB Green Scorecard's Ten Step spreadsheet.

Each of the spreadsheet's ten elements match up.

<p>1. Your primary source to HB City Green Information</p>	<p><a href="#">HB Goes Green</a> Updates on Green Scorecard and this file</p>
<p>2. HB Fee Waiver</p>	<p><a href="#">HB Fees and Waivers</a></p>
<p>3. A readable source of guidelines for our Green Scorecard</p>	<p><a href="http://www.builditgreen.org/system/files/uploads/GreenPoint%20Rated/Guidelines_checklists/2007-Remodeling-Guidelines.pdf">http://www.builditgreen.org/system/files/uploads/GreenPoint%20Rated/Guidelines_checklists/2007-Remodeling-Guidelines.pdf</a></p>
<p>4. We can not recommend specific vendors. For a reasonable short list of green product and services vendors:</p>	<p><a href="#">Good Housekeeping Green Seal of Approval- Coming this Fall</a></p>
<p>5. Another good source for local vendors</p>	<p><a href="#">City of Irvine's Resource Guide</a></p>
<p>6. Energy Efficiency is a key consideration because it is the cheapest form of renewable energy</p>	<p><a href="#">Dept of Energy, Energy Efficiency &amp; Renewable Resources</a>: The big picture on the Econ. Stimulus and Federal initiatives for Cities <a href="#">Calif. Energy Commission Energy Efficiency Handbook</a></p>
<p>7. Want to go Solar Savvy? AB 811 topics</p>	<p>City of Huntington Beach AB811 Program (Stay Tuned) <a href="#">Sonoma County AB 811 Description</a> <a href="#">Legal aspects (the following 3 not recommended)</a> <a href="#">Background for City Planners and Energy Managers</a> <a href="#">The Legislative History of AB 811</a></p>

<p>8. 3<sup>rd</sup> party ratings services and frameworks</p>	<p style="text-align: center;"> <a href="#">Energy Star</a>  <a href="#">LEED: Leadership in Energy &amp; Environmental Design</a>  <a href="#">Build it Green</a>  <a href="#">Architecture 2030</a> </p>
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**Part 2: Specific Suggestions Keyed to your Score Card**

**[HB Green Score Card City Website](#)**

Have questions? Send them to [aaron.klemm@surfcity-hb.org](mailto:aaron.klemm@surfcity-hb.org)

<p><b>Score Card Element</b></p>	<p><b>Description (typically follows the given sequence)</b></p>	<p><b>Web Address (We selected these sites using such criteria as: Governmental, NPO, Public recognition of balance, etc. We are NOT recommending any commercial products or services. See our bullet proof lawyer.)</b></p>
<p><b>1. Site &amp; Landscape</b></p>	<p>1a) Zero Waste and Earth Resources 1h) Natural Treatment Systems (Trees, specific plants)</p>	<p><a href="http://www.earthresource.org/zerowaste.html">http://www.earthresource.org/zerowaste.html</a></p>
	<p>1c) 1h) Shipley Nature Center</p>	<p><a href="http://www.shipleynature.org/">http://www.shipleynature.org/</a></p>
	<p>1g) HB City Utilities Website (Water Conservation, Water Management, and excellent links page)</p>	<p><a href="http://www.ci.huntington-beach.ca.us/Government/Departments/Public_Works/utilities/">http://www.ci.huntington-beach.ca.us/Government/Departments/Public_Works/utilities/</a></p>
	<p>1f) Drip Irrigation</p>	<p><a href="http://www.openecosource.org/water/low-flow-drip-irrigation">http://www.openecosource.org/water/low-flow-drip-irrigation</a></p>
	<p>1b) Habitat For Humanity Re Store</p>	<p><a href="http://www.restoreoc.org/">http://www.restoreoc.org/</a></p>
	<p>Irrigation (Orange County Watersheds)</p>	<p><a href="http://www.ocwatersheds.com/">http://www.ocwatersheds.com/</a></p>
	<p>1i) Passive Solar Design</p>	<p><a href="http://www.greenbuilder.com/sourcebook/PassiveSol.html#Define">http://www.greenbuilder.com/sourcebook/PassiveSol.html#Define</a></p>

	1k) Reduce Hardscapes (Tree People)	<a href="http://www.treepeople.org/">http://www.treepeople.org/</a>
	1b) Rainbow Disposal	<a href="http://www.rainbowdisposal.com/construction.php">http://www.rainbowdisposal.com/construction.php</a>
<b>2. Foundation. Frame, &amp; Roof</b>	2g) FSC Forest Stewardship Council (USA)	<a href="http://www.fscus.org/">http://www.fscus.org/</a>
	2a) Why Fly Ash? (Wikipedia)	<a href="http://en.wikipedia.org/wiki/Fly_ash">http://en.wikipedia.org/wiki/Fly_ash</a>
	2e) Energy Star Roofs	<a href="http://www.energystar.gov/index.cfm?c=roof_prods.pr_roof_products">http://www.energystar.gov/index.cfm?c=roof_prods.pr_roof_products</a>
	2e) Cool Roof Rating Council	<a href="http://www.coolroofs.org/">http://www.coolroofs.org/</a>
	2k) Blower Door Test (Wikipedia)	<a href="http://en.wikipedia.org/wiki/Blower_door">http://en.wikipedia.org/wiki/Blower_door</a>
	2h) R Value of Walls & Attics (US Dept of Energy)	<a href="http://www.ornl.gov/sci/roofs+walls/insulation/ins_16.html">http://www.ornl.gov/sci/roofs+walls/insulation/ins_16.html</a>  Calculator <a href="http://www.ornl.gov/sci/roofs+walls/AWT/InteractiveCalculators/rvalueinfo.htm">http://www.ornl.gov/sci/roofs+walls/AWT/InteractiveCalculators/rvalueinfo.htm</a>
<b>3. Plumbing</b>	3a) Insulate Hot Water Pipes (DIY Network, Loew's)	<a href="http://www.diynetwork.com/diy/diy_kits/article/0,2019,DIY_13787_2275412,00.html">http://www.diynetwork.com/diy/diy_kits/article/0,2019,DIY_13787_2275412,00.html</a>
	3b) Tankless Water Heaters	<a href="http://www.aceee.org/consumerguide/waterheating.htm">http://www.aceee.org/consumerguide/waterheating.htm</a>
	3c) Low Flow Shower heads (Flex your Power)	<a href="http://www.fypower.org/res/tools/products_results.html?id=100160">http://www.fypower.org/res/tools/products_results.html?id=100160</a>
	3e) Water Sense Labeled Toilets	<a href="http://www.epa.gov/watersense/pubs/toilets.htm">http://www.epa.gov/watersense/pubs/toilets.htm</a>
	3b-e) Metro Water District, O.C.	<a href="http://www.mwdoc.com/Water_Use_Efficiency.html">http://www.mwdoc.com/Water_Use_Efficiency.html</a>
	3) So. Calif. Assn. of Gov'ts '06 Policy Over	<a href="http://www.scag.ca.gov/wptf/pdfs/wptf011206_h20conservation.pdf">http://www.scag.ca.gov/wptf/pdfs/wptf011206_h20conservation.pdf</a>

	view	
	3g) Water Catchment Systems	<a href="http://en.wikipedia.org/wiki/Rainwater_harvesting">http://en.wikipedia.org/wiki/Rainwater_harvesting</a>
<b>4. Lighting &amp; Appliances</b>	4a) Energy Star Lighting	<a href="http://www.energystar.gov/index.cfm?c=lighting.pr_lighting">http://www.energystar.gov/index.cfm?c=lighting.pr_lighting</a> <a href="http://www.energystar.gov/index.cfm?fuseaction=popuptool.atHome">http://www.energystar.gov/index.cfm?fuseaction=popuptool.atHome</a>
	4d,e,f) Energy Star Appliances and Taxes	<a href="http://www.energystar.gov/index.cfm?c=home_improvement.hm_improvement_index">http://www.energystar.gov/index.cfm?c=home_improvement.hm_improvement_index</a>
	Kill a Watt Products	<a href="http://www.northerntool.com/webapp/wcs/stores/servlet/product_6970_200343851_200343851">http://www.northerntool.com/webapp/wcs/stores/servlet/product_6970_200343851_200343851</a>
<b>5. Heating, Ventilation, Air Conditioning (HVAC)</b>	5a) Duct Leakage (LB Labs, Gov't)	<a href="http://ateam.lbl.gov/Design-Guide/DGHtm/ductconstructionandleakage.htm">http://ateam.lbl.gov/Design-Guide/DGHtm/ductconstructionandleakage.htm</a>
	5b) Energy Star Ceiling Fans	<a href="http://www.energystar.gov/index.cfm?c=ceiling_fans.pr_ceiling_fans">http://www.energystar.gov/index.cfm?c=ceiling_fans.pr_ceiling_fans</a>
	5c) Window Shade & Trees (Au)	<a href="http://www.dpi.wa.gov.au/mediaFiles/Is_ShadeWindow.pdf">http://www.dpi.wa.gov.au/mediaFiles/Is_ShadeWindow.pdf</a>
	5g) Carbon Monoxide (US Consumer Products Commission)	<a href="http://www.cpsc.gov/CPSCPUB/PUBS/466.html">http://www.cpsc.gov/CPSCPUB/PUBS/466.html</a>
	5g) Carbon Monoxide (Wikipedia)	<a href="http://en.wikipedia.org/wiki/Carbon_monoxide_detector">http://en.wikipedia.org/wiki/Carbon_monoxide_detector</a>
	5h) Bathroom Fan – Humidity control	<a href="http://www.diynetwork.com/diy/diy_kits/article/0,2019,DIY_13787_4986974,00.html">http://www.diynetwork.com/diy/diy_kits/article/0,2019,DIY_13787_4986974,00.html</a>
<b>6. Energy Performance</b>	Energy Performance with Energy Star (Fed)	<a href="http://www.energystar.gov/index.cfm?c=home_improvement.hm_improvement_hpwes">http://www.energystar.gov/index.cfm?c=home_improvement.hm_improvement_hpwes</a>

		<p><b>Fed Energy Efficiency</b></p> <p>State of California Energy Commission California Public Utilities Commission</p>
	6a) Energy Use Display	<p><a href="http://www.livinghomes.net/tour.html">http://www.livinghomes.net/tour.html</a></p> <p><a href="http://www.buildingdashboard.com/clients/livinghomes/">http://www.buildingdashboard.com/clients/livinghomes/</a></p> <p><a href="http://www.luciddesigngroup.com/">http://www.luciddesigngroup.com/</a></p>
	Energy Performance with Energy Star (State of Oregon)	<a href="http://www.energytrust.org/residential/existinghomes/hpwes.html">http://www.energytrust.org/residential/existinghomes/hpwes.html</a>
	Example - UK	<a href="http://architectures.danlockton.co.uk/2007/07/24/making-energy-use-visible/">http://architectures.danlockton.co.uk/2007/07/24/making-energy-use-visible/</a>
	Energy Performance (Green Building)	<a href="http://www.buildinggreen.com/auth/article.cfm/ID/3833/">http://www.buildinggreen.com/auth/article.cfm/ID/3833/</a>
	Calif. Title 24: Energy Efficiency Standards 2005	<a href="http://www.energy.ca.gov/title24/2005standards/nonresidential_acm/index.html">http://www.energy.ca.gov/title24/2005standards/nonresidential_acm/index.html</a>
	Calif Energy Commission and Home Energy Rating System (HERS)	<a href="http://www.energy.ca.gov/HERS/">http://www.energy.ca.gov/HERS/</a>
	An example Rating Service (CHEERS)	<a href="http://www.cheers.org/">http://www.cheers.org/</a>
	Smart Grid Projects are of interest only if you are interested in the evolving technology of the GRID. NIST and others cite the extreme vulnerability of the current grid...	<p><a href="#">Evolving Standards at the Federal level (Org. for Advancement of Structured Info Systems)</a> <a href="#">Gridwise Architectural Council</a></p> <p><a href="#">San Diego Smart Grid and Building Info Modeling Project (April – June 14, 2009)</a></p>

<b>7. Renewable Energy</b>	7a) Pre-Approved Solar System Attachement	Background: <a href="http://www.akeena.net/cm/About_Solar_Power/Solar_Power_Systems/Solar_Power_System_Components/Roof_Attachments.html">http://www.akeena.net/cm/About_Solar_Power/Solar_Power_Systems/Solar_Power_System_Components/Roof_Attachments.html</a>
	7a) Calif. Solar Initiative	<a href="http://www.cpuc.ca.gov/puc/Energy/solar/">http://www.cpuc.ca.gov/puc/Energy/solar/</a>
	Calif. Go Solar	<a href="http://www.gosolarcalifornia.ca.gov/">http://www.gosolarcalifornia.ca.gov/</a>
	7a) Calif Rebate 5 step process	<a href="http://www.gosolarcalifornia.ca.gov/csi/apply.html">http://www.gosolarcalifornia.ca.gov/csi/apply.html</a>
	Sandia Labs' Design Guidelines	<a href="http://photovoltaics.sandia.gov/docs/Design_and_Installation_of_PV_Systems.htm">http://photovoltaics.sandia.gov/docs/Design_and_Installation_of_PV_Systems.htm</a>
	7a) Calif. Solar Handbook, PUC, 2008, 122 pages	<a href="http://www.gosolarcalifornia.ca.gov/documents/CSI_HANDBOOK.PDF">http://www.gosolarcalifornia.ca.gov/documents/CSI_HANDBOOK.PDF</a>
	7d) Solar Water Heater: Wikipedia	<a href="http://en.wikipedia.org/wiki/Solar_hot_water">http://en.wikipedia.org/wiki/Solar_hot_water</a>
	7d) Heat Exchangers (DoE EERE)	<a href="http://apps1.eere.energy.gov/consumer/your_home/water_heating/index.cfm/mytopic=12930">http://apps1.eere.energy.gov/consumer/your_home/water_heating/index.cfm/mytopic=12930</a>
	7e) Trombe Wall, Wikipedia	<a href="http://en.wikipedia.org/wiki/Trombe_wall">http://en.wikipedia.org/wiki/Trombe_wall</a>
	7a) EPBB	<a href="http://www.csi-epbb.com/">http://www.csi-epbb.com/</a>
	Calif. Energy Commission Guidelines, 2001	<a href="http://www.energy.ca.gov/reports/2001-09-04_500-01-020.PDF">http://www.energy.ca.gov/reports/2001-09-04_500-01-020.PDF</a>
<b>8. Indoor Air Quality</b>	8a) EPA Indoor Air Quality	<a href="http://www.epa.gov/iaq/index.html">http://www.epa.gov/iaq/index.html</a>
	8a-b-c) Low Volatile Organic Compounds (VOC) Paint	<a href="http://www.epa.gov/iaq/voc.html">http://www.epa.gov/iaq/voc.html</a>
	8d-e) Formaldehyde Free Products (EPA)	<a href="http://www.epa.gov/iaq/formalde.html">http://www.epa.gov/iaq/formalde.html</a>

	(Healthy Buildings)	<a href="http://www.healthybuilding.net/formaldehyde/index.html">http://www.healthybuilding.net/formaldehyde/index.html</a>
	8f)CRI Green Carpet Label	<a href="http://www.carpet-rug.org/">http://www.carpet-rug.org/</a>
	California Green Chemistry Initiative	<a href="http://www.dtsc.ca.gov/PollutionPrevention/GreenChemistryInitiative/index.cfm">http://www.dtsc.ca.gov/PollutionPrevention/GreenChemistryInitiative/index.cfm</a>
<b>9. Resource Efficient Materials</b>	9d) Zero Waste Conferences & Examples	<a href="http://www.earthresource.org/">http://www.earthresource.org/</a> <a href="http://www.livinghomes.net/zeros.html">http://www.livinghomes.net/zeros.html</a>
	9a)Recylced Content Carpets	<a href="http://www.nps.gov/sustain/spop/carpet.htm">http://www.nps.gov/sustain/spop/carpet.htm</a>
	9c) Plastic Recycling (Wikipedia)	<a href="http://en.wikipedia.org/wiki/Plastic_recycling">http://en.wikipedia.org/wiki/Plastic_recycling</a>
	9e) Forest Stewardship Council (FSC)	<a href="http://www.fscus.org/">http://www.fscus.org/</a>
<b>10. Education &amp; Awareness</b>		This section is designed to help you calculate your upfront and long term costs and benefits, as well as an easy to use “knowledge base” into your utility bills, user manuals, tax records, etc.  (We assume that you will develop and maintain key knowledge in a 3-ring binder. See our Pilot Binder suggestions on our website at: xxxxxx.gov) TBD
	Organize a folder to hold your receipts, manuals, utility bills	
	Cycle thru these 10 phases’ web sites to build favorites list	
	Utility Data for your home	Template available within the Green Scorecard Spreadsheet
	Green washing “sins”	<a href="http://en.wikipedia.org/wiki/Greenwash">http://en.wikipedia.org/wiki/Greenwash</a> General Discussion  <a href="http://en.wikipedia.org/wiki/Greenwash">http://en.wikipedia.org/wiki/Greenwash</a> Six specific “sins” to be aware of

	Locating Green Materials	<a href="http://www.BuildingGreen.com">http://www.BuildingGreen.com</a> <a href="http://www.GreenHomeGuide.com">http://www.GreenHomeGuide.com</a> <a href="http://www.BuildItGreen.org">http://www.BuildItGreen.org</a>
	Green Product Certifications	<a href="http://www.carpet-rug.org">http://www.carpet-rug.org</a> <a href="http://www.mbdcc.com">http://www.mbdcc.com</a> (Cradle to Cradle Cert. means Reduce, Reuse, Recycle <a href="http://www.greenguard.org">http://www.greenguard.org</a> 3 <sup>rd</sup> party certification for adhesives, flooring, etc. <a href="http://www.greenseal.org">http://www.greenseal.org</a> <a href="http://www.greenseal.org">http://www.greenseal.org</a> Independent, non profit with ISO eco labeling
	Rebates & Incentives	<a href="http://www.homedepotfoundation.org">http://www.homedepotfoundation.org</a>  <a href="http://huntingtonbeachgreenguide.com/HuntingtonBeachGreenGuide/Rebate_Links.html">http://huntingtonbeachgreenguide.com/HuntingtonBeachGreenGuide/Rebate_Links.html</a>  <a href="http://www.mdvseia.org/federal_incentives.htm">http://www.mdvseia.org/federal_incentives.htm</a>
	Local Green Websites	<a href="http://www.huntingtonbeachgreenguide.com/">http://www.huntingtonbeachgreenguide.com/</a>  <a href="http://huntingtonbeachgreenguide.com/HuntingtonBeachGreenGuide/Resources.html">http://huntingtonbeachgreenguide.com/HuntingtonBeachGreenGuide/Resources.html</a>
	Smart Meters and Smart "Dashboards"	<a href="http://www.livinghomes.net/tour.html">http://www.livinghomes.net/tour.html</a> Steve Glenn's Living Home "Tour"  <a href="http://www.luciddesigngroup.com/?gclid=CKnA3Ze36JUCFOJNagodGmsMeA">http://www.luciddesigngroup.com/?gclid=CKnA3Ze36JUCFOJNagodGmsMeA</a> <a href="http://www.luciddesigngroup.com/?gclid=CKnA3Ze36JUCFOJNagodGmsMeA">http://www.luciddesigngroup.com/?gclid=CKnA3Ze36JUCFOJNagodGmsMeA</a> Lucid Design Group's Dashboard
	Green House Gas Calculators	<a href="http://www.epa.gov/solar/energy-resources/calculator.html">http://www.epa.gov/solar/energy-resources/calculator.html</a> Federal Agency - EPA <a href="http://www.huntingtonbeachgreenguide.com/">http://www.huntingtonbeachgreenguide.com/</a> Local Huntington Beach website (Green IQ, Impact score test)
	Carbon Footprint	<a href="http://en.wikipedia.org/wiki/Carbon_footprint">http://en.wikipedia.org/wiki/Carbon_footprint</a> Wikipedia  <a href="http://www.nature.org/initiatives/climatechange/calculator/">http://www.nature.org/initiatives/climatechange/calculator/</a> Nature

		<b>Conservancy</b>
	<b>Source to Energy Calculators</b>	<a href="http://www.infinitepower.org/calculators.htm">http://www.infinitepower.org/calculators.htm</a> Texas State Energy Conservation Office
<b>Appendices</b>	<b>How to hire a Contractor</b>	<a href="http://www.cslb.ca.gov/Consumers/hire-a-contractor/hire-a-contractor-overview.asp">http://www.cslb.ca.gov/Consumers/hire-a-contractor/hire-a-contractor-overview.asp</a>  State of California Contractors License Board
	<b>Calif. Residential PV home owners manual</b>	<a href="http://www.energy.ca.gov/reports/2001-09-04_500-01-020.PDF">http://www.energy.ca.gov/reports/2001-09-04_500-01-020.PDF</a>
	<b>Energy Return on Energy Invested (EROEI)</b>	<a href="http://www.eroei.com/">http://www.eroei.com/</a>
	<b>Calif. Climate Change Portal</b>	<a href="http://www.climatechange.ca.gov/">http://www.climatechange.ca.gov/</a>
	<b>EB Web Site</b>	<a href="http://www.ci.huntington-beach.ca.us/Government/Boards_Commissions/Environmental_Board/members.cfm">http://www.ci.huntington-beach.ca.us/Government/Boards_Commissions/Environmental_Board/members.cfm</a>
	<b>EB Application</b>	<a href="http://www.ci.huntington-beach.ca.us/Government/Boards_Commissions/application/application_form.cfm">http://www.ci.huntington-beach.ca.us/Government/Boards_Commissions/application/application_form.cfm</a>