Living Green at Home
March 13, 2015

Kristi Wiedemann
Sustainability Manager
Why it matters
&
What you can do
Six **Priority Areas**

1. Household energy
2. Transportation
3. Food
4. Water
5. Landscaping
6. Reuse & Recycling
Household Energy: Why it Matters

- 49% Space heating
- 30% Appliances, electronics, lighting
- 18% Water heating
- 3% Air conditioning

U.S. Energy Information Administration
Household Energy: Why it Matters

Site Consumption
millon Btu

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>MidAtl</th>
<th>NJ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>80</td>
<td>100</td>
<td>140</td>
</tr>
</tbody>
</table>

Expenditures
dollars

<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>MidAtl</th>
<th>NJ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>$700</td>
<td>$1,400</td>
<td>$2,800</td>
</tr>
</tbody>
</table>

NJ Home Energy Use

U.S. Energy Information Administration
NJ Home Electricity Use
What **you** can do:

Save energy, save $
What you can do:
Save energy, save $
What **you** can do:
Save energy, save $
What you can do…
Other Renewable Energy Incentives

- Net metering & SRECs
- State incentives
Transportation: Why it matters

![Bar chart showing the relationship between annual tons of CO2 and MPG. The chart illustrates that as MPG decreases, the annual tons of CO2 increase. At 45 MPG, the annual tons of CO2 are 3.9, at 40 MPG are 4.4, at 35 MPG are 5.0, at 30 MPG are 5.9, at 25 MPG are 7.0, at 20 MPG are 8.8, and at 15 MPG are 11.7.](U.S. Department of Energy)
What you can do

*EPA-estimated rating of 45 city/40 hwy 43 combined mpg. Actual
Transportation: What you can do

Save energy, save $

**Drive sensibly:** Speeding, rapid acceleration and braking can lower your gas mileage by 33% at highway speeds and by 5% in town.

**Observe the highway speed limit:** Mileage usually decreases rapidly above 50 mph: Every 5 mph over 50 mph costs $0.24 per gallon more.

**Avoid Hauling Cargo on your roof:** A large roof-top cargo box can reduce mileage 2 - 8% in the city and 10 - 25% at Interstate speeds.

**Remove excess weight:** Avoid keeping unnecessary items in your vehicle, especially heavy ones.

*U.S. Department of Energy*
Avoid Excessive Idling: Idling can use a quarter to a half gallon of fuel per hour.

Use Cruise control: Using cruise control on the highway helps you maintain a constant speed and, in most cases, will save gas.

Keep your car in good shape: Keep your engine tuned; keep tires properly inflated; use the recommended grade of motor oil.
Princeton’s TDM Program

• 50% mass transit subsidy

• Vanpool program

• Carsharing
“...dietary modifications can help reduce pesticide exposure”...

“...consumption of organic food may lower pesticide exposure...”
Food: What you can do

http://www.cnn.com/video/?/video/health/2010/05/31/gupta.produce.pesticides.cnn
Food: What you can do
Labels to look for
Food: What you can do
Labels to look for
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Labels to look for

All ecolabels on food

Alphabetical index of 148 ecolabels.
Enter your email address to download a PDF version of the guide or an app for your smartphone. You'll receive EWG's exclusive email updates, action alerts and environmental tips.

Your Email

Your ZIP Code

Sign up now!

EWG helps protect your family from pesticides! Donate $10 today and EWG will send you our Shopper's Guide to Pesticides in Produce™ wallet guide FREE to say thank you.
Water: Why it Matters

Withdrawals as a % of total available flow
Water: Why it Matters
Withdrawals as a % of total available flow
Water: Why it Matters

How Much Water Do We Use?

- **Shower**: 16.8%
- **Toilet**: 26.7%
- **Faucet**: 15.7%
- **Leaks**: 13.7%
- **Clothes Washer**: 21.7%
- **Other**: 5.3%

American Water Works Association
WaterSense®
An EPA Partnership Program

Product Search

Reduce your water use while enjoying exceptional performance with the following WaterSense labeled products. Search by category, brand, model name and/or model number. Search results appear below.

Please review important product information before purchasing WaterSense labeled products.

Click to Hide Additional Search Options

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<thead>
<tr>
<th>Product Category</th>
<th>Brand Name</th>
<th>Model Name</th>
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</thead>
<tbody>
<tr>
<td>Bathroom Sink Faucets/Accessories</td>
<td>All Brands</td>
<td>All Models</td>
</tr>
<tr>
<td></td>
<td>&quot;Aqua Source&quot; &amp; &quot;Allen Roth&quot;</td>
<td>1H Lav Faucet</td>
</tr>
<tr>
<td></td>
<td>&quot;Glacier Bay&quot;,&quot;Pegasus&quot;, &amp; &quot;Aquadyne&quot;</td>
<td>2H Lav Faucet</td>
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<td>Altmans Products</td>
<td>2H WS Lav Faucet</td>
</tr>
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<td></td>
<td>Altmans Products, LLC</td>
<td>816 Series</td>
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</table>

Search
Have something to recycle? Find out how and where!
Get answers to all your recycling questions below or search for what's available in your neighborhood.
## Landscaping: Are you River-Friendly?

### RIVER-FRIENDLY SURVEY

<table>
<thead>
<tr>
<th>Statement</th>
<th>YES</th>
<th>NO</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>I use soil test results to guide fertilization of my yard <strong>OR</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>I do not use fertilizer in my yard.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I follow the directions on pesticides and fertilizers when I use them <strong>OR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I do not use pesticides and fertilizers.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I mow my lawn at the highest setting.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I leave the grass clippings on the lawn.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>There is at least 10 feet of undisturbed-not mowed vegetation along my</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>stream (or other water body) <strong>AND</strong> I do not use pesticides and or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>fertilizers in this area.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I converted a portion of my lawn to garden or natural vegetation using</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>native species. <strong>Approximate Area=</strong> ft. x ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I use non-chemical methods for controlling unwanted insects, weeds and</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>animals (e.g. pulling weeds, spraying pests off plants with water) <strong>AND</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I tolerate some pests/weeds in my lawn and garden.</td>
<td></td>
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</tbody>
</table>
Landscaping: Tips for backyard habitat

- Select bird-friendly plants
- Provide water
- Provide shelter
- Reduce lawn areas
- Increase diversity
- Plant natives
What’s Next?
Campus Green Tour
Thank you!