

Built and Unbuilt Environment

Workgroup leads:

Allison Gray,

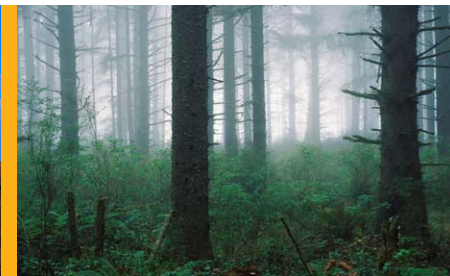
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Futurewise



135 Action Items



Key for Estimated Front End Cost

1 = \$0 - 50K

2 = \$50K - 500K

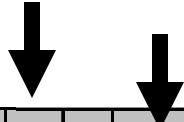
3 = \$500K to 1 million

4 = 1 million to 5 million

5 = 5 million+



Additions



Action #	Internal City Action/Policy	External Policy	Short Term - Implement Now	Long Term	↓ Waste	↓ GHG emissions	↑ Energy efficiency (costs, usage)	↓ oil dependence	↑ productivity: people (employees) & processes (time,	Primary Sub-total	Economy: ↑ opportunities (business, jobs)	Economy: ↓ fiscal impacts	↑ Community Well-being	Conservation of natural resources	Triple Bottom Line Sub-total	TOTAL IMPACT SCORE OF ACTION ITEM (top score possible: 45)	Estimated Front-end Cost	Staff	Political Will	Grant \$ available	Pay-back period	Opportunity costs	"Low-hanging fruit"
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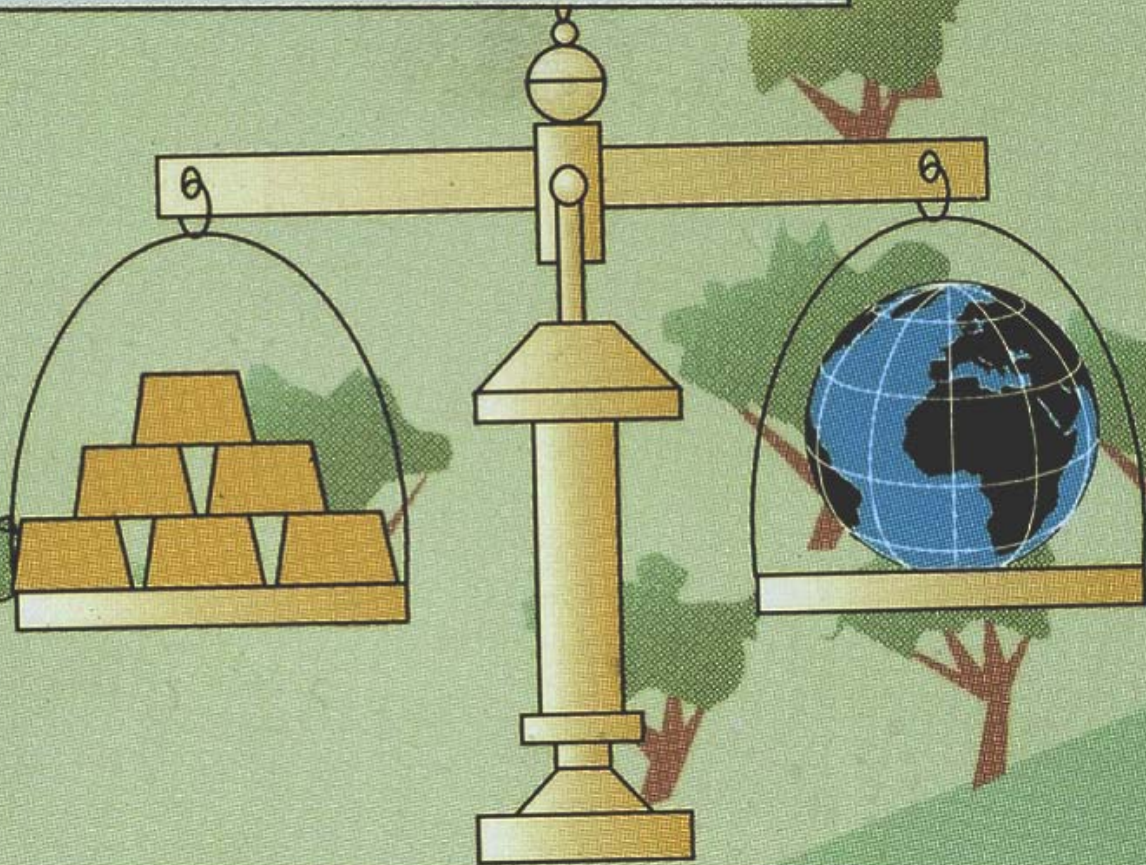


Subcatagories

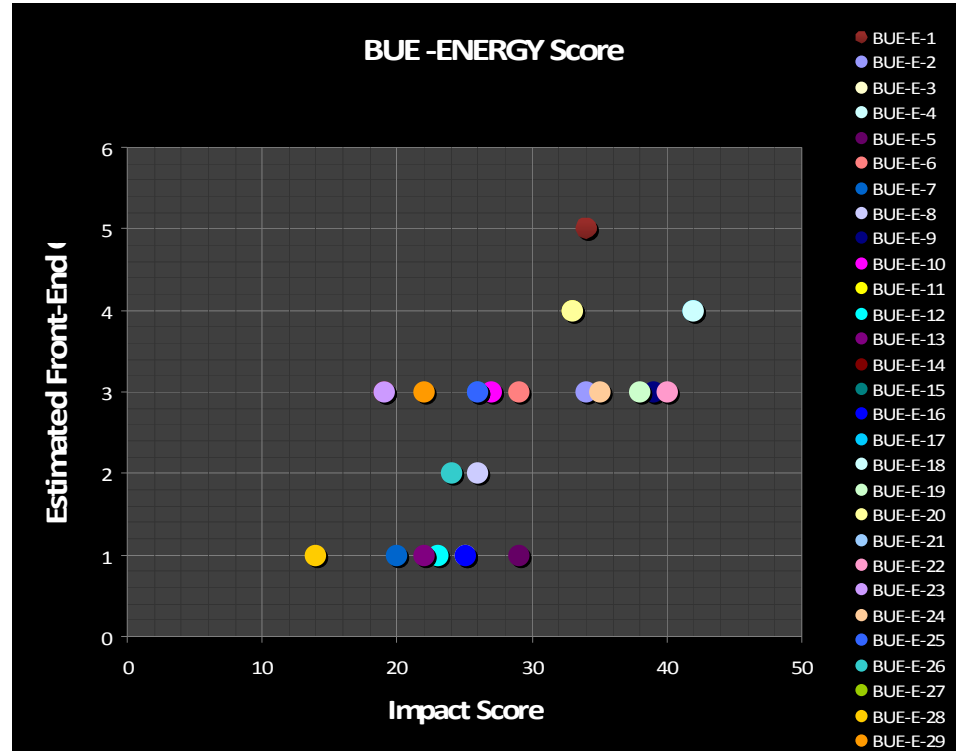
- **Energy**
- **Food/Business**
- **Planning**
- **Water**



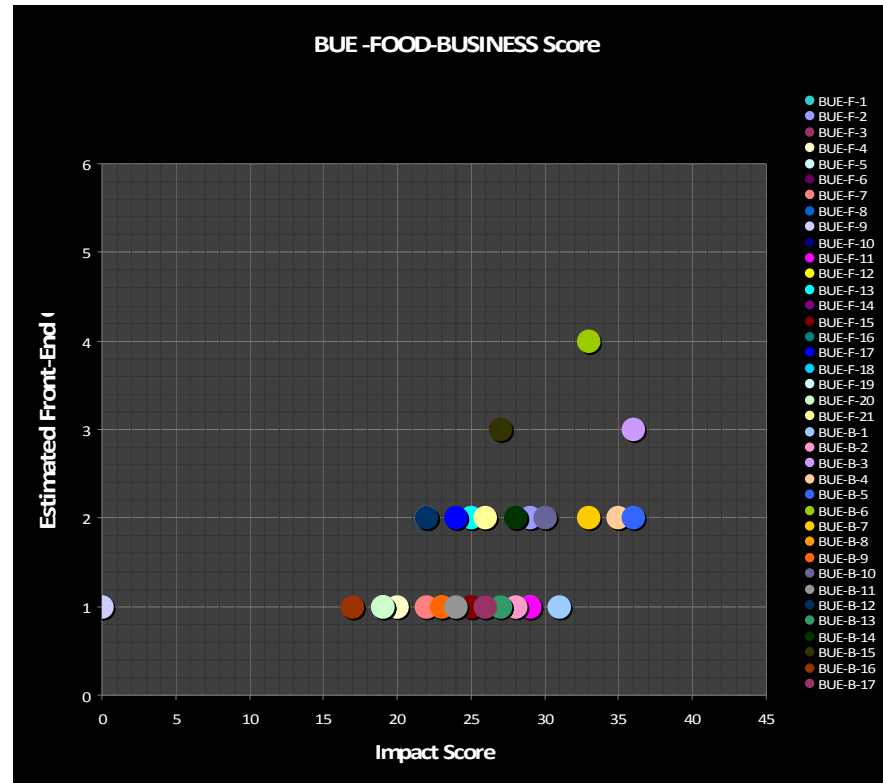
Balance



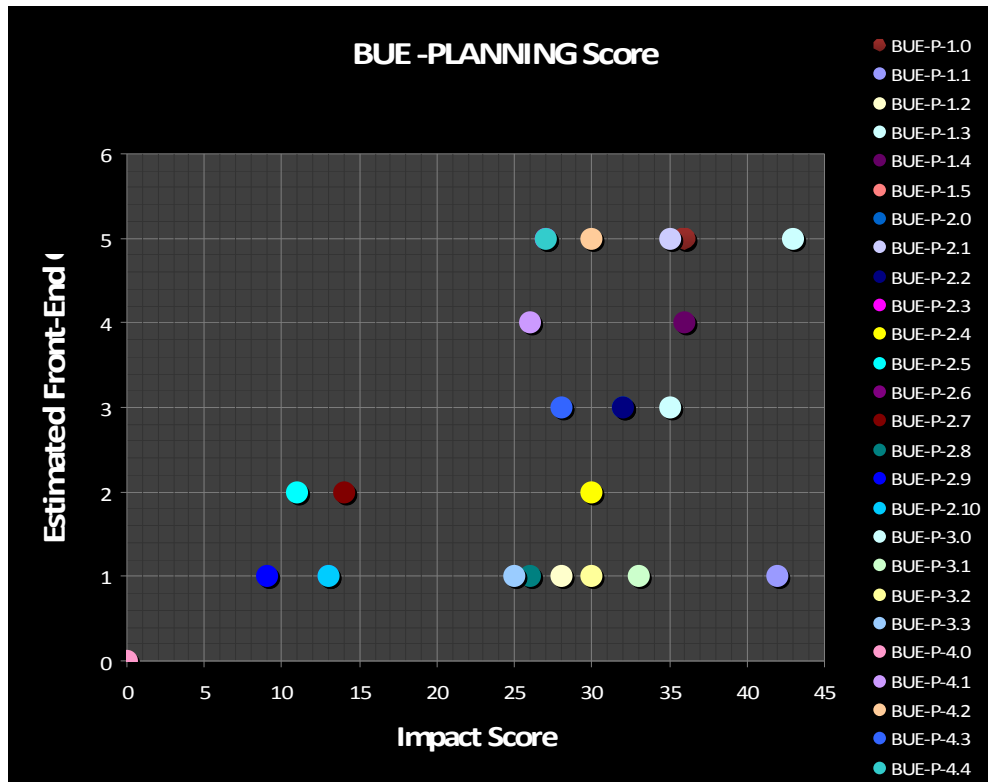
Energy



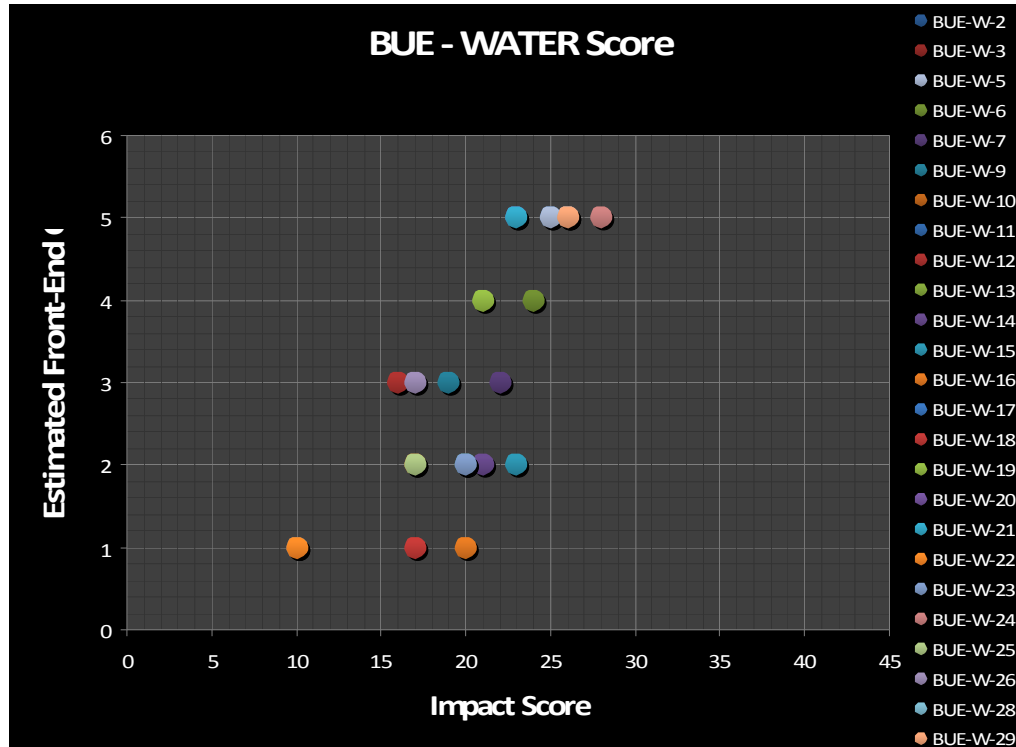
Food/Business



Planning



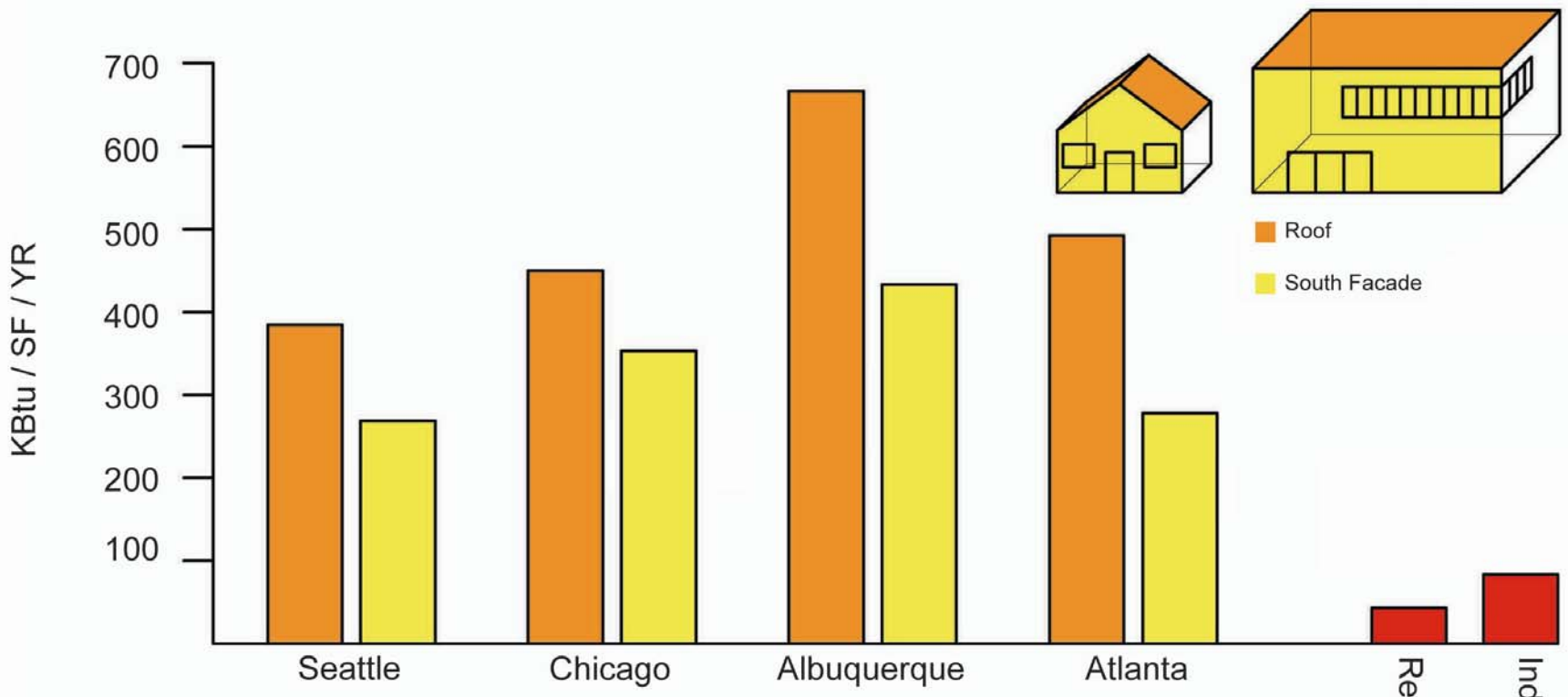
Water



Retrofit existing city buildings

- **Meet Architecture 2030 Goals**
(net zero energy use by 2030)
- **Certify to green building standards**
- **Prioritize retrofitting over building new**
- **Energy security**
 - ◆ Renewable energy systems
 - ◆ Solar hot water systems
 - ◆ Water conservation measures





Solar Energy that Falls on Each Square Foot in a Year by Surface

The average energy consumption in the US per square foot of floor area in a year:
 Single-Family Residential: 42.7 KBtu / SF / YR
 Commercial/Institutional: 85 KBtu's /SF / YR

Decrease city water use

- **Low flow fixtures**
- **Conservation oriented irrigation plans for city parks**
- **Xeriscaping for all city buildings and parks**
- **Grey water reuse for irrigation and toilets**



Community water policy

- **Mid-day watering ban**
- **Restrict watering by address –**
 - ◆ Example: even numbered homes on even days
- **Base residential wastewater charges on indoor water use**
- **Larger difference in fees for high water consumption**
- **Lower commercial sewer rates for businesses that remove SRO from commercial water systems**
- **Allow LID stormwater approaches (bio-swales, onsite infiltration etc.)**
- **Incentives to plumb for greywater reuse**



Develop a green building program

- **Use existing green building programs (LEED, Built Green etc.)**
- **Resource center to provide technical support and contractor training**
- **Incentives**
 - ◆ City tax waivers for green buildings
 - ◆ Accelerated permitting process for green projects
- **Fund through increased permit fees**



Increase infill and allowable density within City limits

- Provide incentives to entice higher density
- Partner with county assessors to allow green/energy efficiency without assessment increase
- Encourage cottage development



Create a local composting facility

- Food and green waste
- Curbside pick-up for restaurants and residential areas
- Phase-out garbage disposals through “buy out” program
- Fund with compost sales, increased garbage rates



Focused business development on recycling and food production, processing and marketing

- **Keep recyclable resources locally available and create local economy**
- **Local gardening on under utilized land**
- **Create partnerships with Ag extension offices and county to support urban farmers**
- **Encourage sustenance crops over commodity crops**
- **Support local farmers markets and co-ops**



