

Intro to Environmental Sustainability Ideas

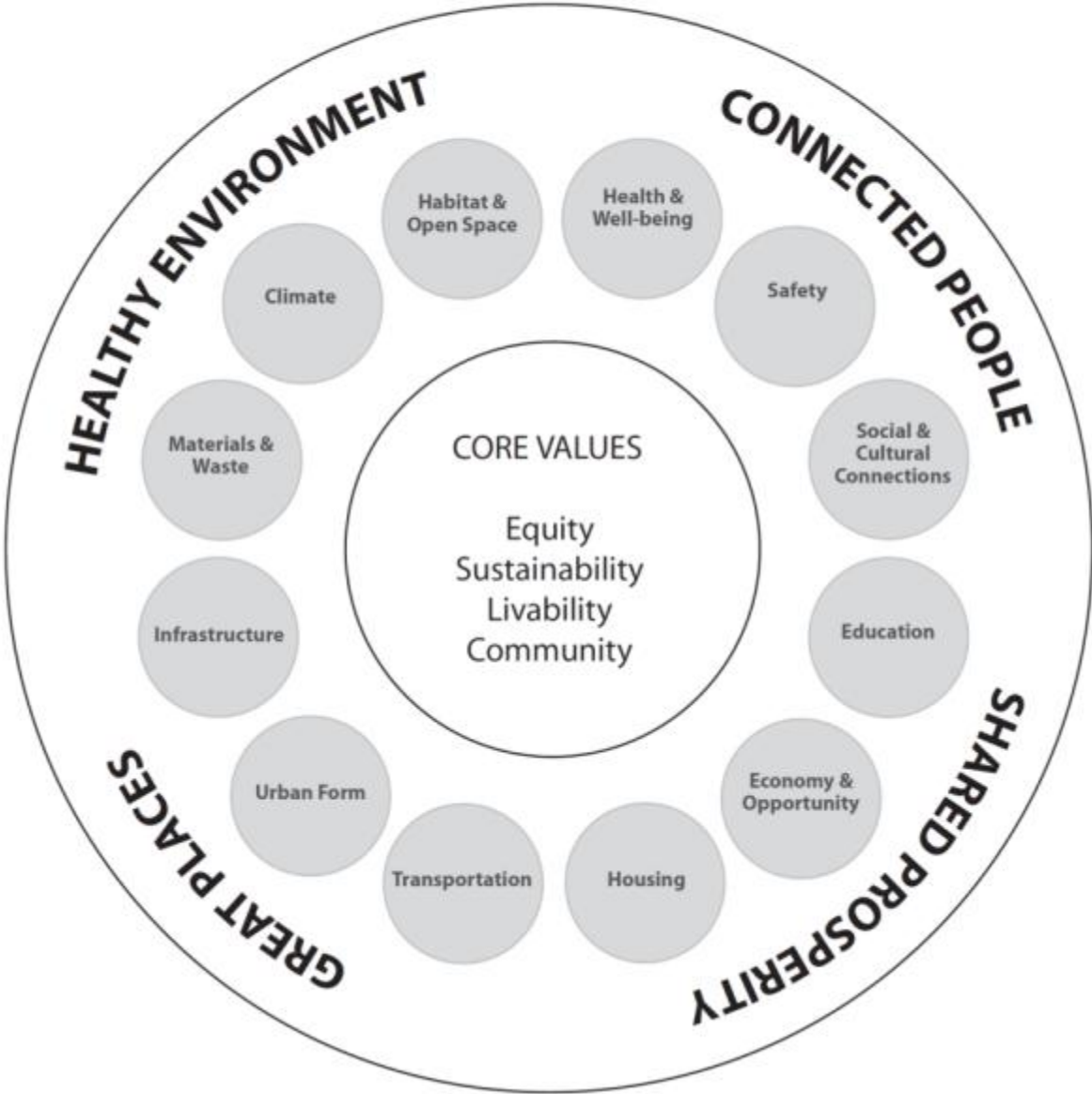


Photo credit: University of Washington

Sustainability Background

- Often defined as “meeting people’s needs today, without compromising the ability of future generations to meet theirs” or, simply, our ability to consider a long-term legacy
- Key value of City – Mayor & Council
- Applies to Natural, Social, and Economic Environment

Considerations for Planning in the University District



Why Environmental Sustainability in the Urban Design Framework?

- Decisions about physical or “built” environment has major long-term impact
 - 1/3 of greenhouse gases come from building energy use
 - 1/3 from personal transportation
- Addressing economic and social sustainability through the Livability Partnership and the commercial revitalization work



Photo credit: University of Washington

Environmental Sustainability Opportunities

- Walk/Bike/Ride
- Urban Forestry & Green Infrastructure
- Green Building
- District Utilities
- Healthy Living
- Community Stewardship

Walk/Bike/Ride

- Complete Streets: developing a comprehensive network of options for walking, biking, and riding transit
- Bike parking, bike sharing, transit demand management
- Leverage transit investment
- Support car-free living



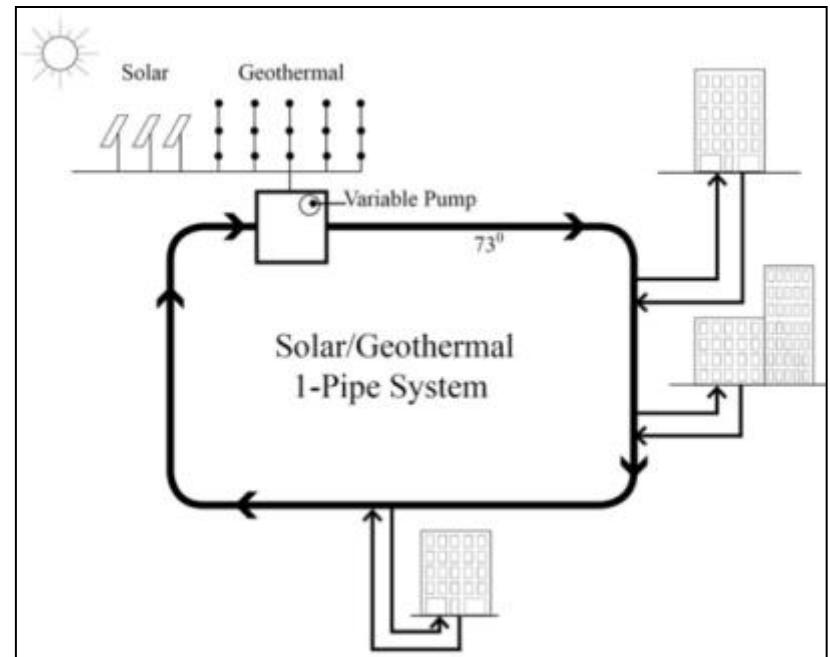
Green Infrastructure

- Trees, vegetation, and soils act as green infrastructure
- Stormwater, air quality, habitat, cooling, & aesthetic benefits
- Opportunity for increasing trees, landscaping, green roofs, green stormwater facilities



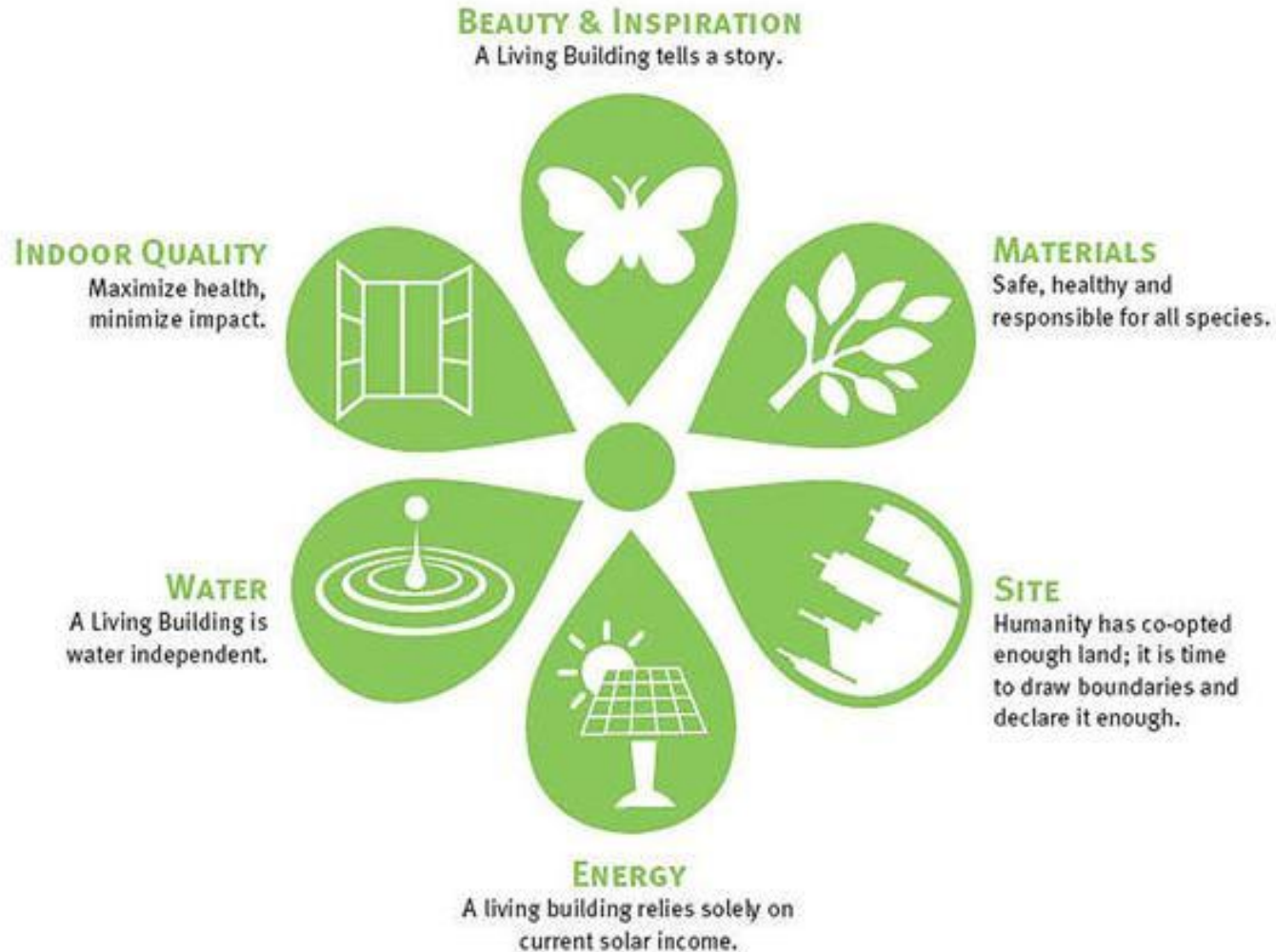
District Utilities

- District Energy – hot water loop supports local generation, heat recovery & cost savings
- District Water – rainwater capture & reuse
- Local Composting
- Campus as opportunity



Green building

New Buildings & Retrofits



Credit: Gerding Edlen Development Company

Healthy Living

- Walk-ability
- Access to Healthy Foods (farms, farmer's markets, grocery stores)
- Opportunities for Recreation



Community Stewardship

- Advance sustainability goals on a district scale
- Opportunities for goal setting, planning, outreach, funding, and implementation strategies



Thank You.

Considerations for Planning in the University District

