Sustainable power zoning code amendments

Recommended changes to allow for wind energy systems in all districts

Planning Commission
Sept. 22, 2017
Introduction

– History of wind turbine permitting in Saint Paul
– Types of wind turbines
– Research
  – Impact
  – Applications
– Examples
– Recommendation
– Questions
History

– Approval of determination of similar use – Macalester College, 2002
– Approval of determination of similar use – 1010 N. Dale, 2011
– Denial of determination of similar use – Metropolitan State, 2012
  – City council decision upon neighborhood appeal of Planning Commission decision
Types of wind turbines

Vertical axis wind turbines

Horizontal axis wind turbines
Research

- Practical applications
- Land use impacts
- Other cities
  - Code considerations
Recommendation

- Wind energy regulated as an accessory use
  - As are solar installations
- Understood to be permitted in all districts
- Standards/conditions express where/how
- Not listed in a use table – convention has been to list accessory uses in use tables only when they are exceptions
- Regulated similar to surrounding communities
- Code language allows for changes in technology
Residential roof-mounted systems

500W wind turbines
Residential roof-mounted systems

500W wind turbines
9th Street Lofts

4kW wind turbines
CHS Field

4kW wind turbines
CHS Field

4kW wind turbines
Hybrid lamppost
300w (shown at West Side Flats)
Hybrid lamppost
300w (shown at West Side Flats)
Capitol Lien 1010
N. Dale
Capitol Lien 1010
N. Dale
Questions

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