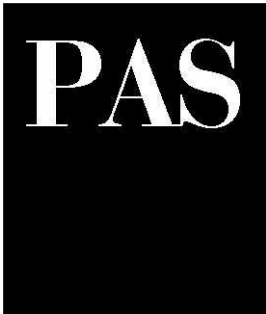


KEEP YOUR EDGE!



THE ESSENTIAL

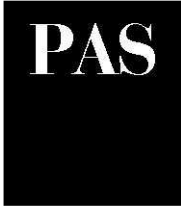
INFO PACKET

LAND USE AND DESIGN FOR CITIES IN
NORTHERN CLIMATES

The Planning Advisory Service (PAS) researchers are pleased to provide you with information from our world-class planning library. This packet represents a typical collection of documents PAS provides in response to research inquiries from our 1,500 subscribers. For more information about PAS visit www.planning.org/pas/.

Making Great Communities Happen





Land Use and Design for Cities in Northern Climates

Articles

- Ahrentzen, Sherry. 2004. "Community Design Features that Support Active Living Among Elderly in a Cold-Climate Community." Presented at the ENHR Conference, Cambridge, UK.
- Bosselmann, Peter, and Edward Arens, Klaus Dunker, and Robert Wright. "Urban Form and Climate: Case Study, Toronto." *Journal of the American Planning Association*. Vol. 61, Number 2, spring 1995.
- Coleman, Patrick J., 2004. "How Do Marquette Residents Feel About Winter?: A Community Survey Questions Winter Attitudes." *Winter Cities*, May/August.
- _____ . n.d. "Pedestrian Mobility in Winter." [Accessed at www.upea.com/winter/Pedestrians.htm]
- Lassar, Terry Jill. 1987. "Testing the Winds: Measuring and Mitigating a Building's Wind Effects." *Urban Land*. October.
- Schwab, Jim. 2000. "Sun, Wind, and Building Design." *Zoning News*. December.
- Weiss, Mark A. "Skyscraper Zoning: New York's Pioneering Role." *Journal of the American Planning Association*. Vol. 58, No. 2, spring 1992.

Policy Documents

- Anchorage (Alaska), City of. 2001. "Design & Environment Policies and Strategies," in *Anchorage 2020, Anchorage Bowl Comprehensive Plan*.
- Burlington (Vermont), City of. 2001. "III. Built Environment: A Northern Climate," in *Burlington Municipal Development Plan*.
- Marquette (Michigan), City of. 2003. "Chapter Eleven: Winter City Considerations," in *Marquette Master Plan*.
- Portland (Maine), City of. 1989. *Portland Maine Downtown Height Study*.

Design Guidelines

- Chittenden County Regional Planning Commission (Vermont). 2002.
- *Transit-Oriented Design (TOD) for Chittenden County: Guidelines for Planners, Policymakers, Developers and Residents*.
- Edmonton (Alberta, Canada), City of. 2005. *LRT Design Guidelines*.
- Houghton/Hancock (Michigan), Cities of, in cooperation with Winter Cities Association. 1997. *Winter City Planning*.
- Urban Systems. 2000. *Winter City Design Guidelines for Fort St. John*.

Zoning Regulations

To regulate solar access; wind; shadow

- Denver (Colorado), City and County of 2003. *Denver Zoning Code*. Article IV, Division 21: Overlay Districts.
- Fort Collins, (Colorado), City of. 1997. Land-Use Code. Article 3, Division 3.5: Building Standards.

- Portland (Maine), City of. 2005. *Land-Use Code of Ordinances*. Chapter 14, Sec. 14-220: Dimensional Requirements.
- Santa Barbara (California), City of. 1986. *Municipal Code*. Chapter 28.11: Protection and Enhancement of Solar Access.

To regulate skywalks; through-block connections; urban indoor public spaces/plazas/courts

- Anchorage (Alaska), City of. 1996. *Municipal Code*. Title 21, Land-Use Planning, Chapter 21.40: Zoning Districts.
- _____ . 1996. *Municipal Code*. Title 21, Land-Use Planning, Chapter 21.50, Conditional Use Standards.
- Minneapolis (Minnesota), City of. 1991. *Code of Ordinances*. Chapter 549, Downtown Districts, Article II, Floor Area Ratio Premiums.

To regulate large-scale retail establishments; signs; design review

- Anchorage (Alaska), City of. 1996. *Municipal Code*. Title 21, Land-Use Planning, Chapter 21.50, Standards for Conditional Uses and Site Plans.
- _____ . 1996. *Municipal Code*. Chapter 21.47, Sign Standards. □ Burlington (Vermont), City of. 1973. *Zoning Ordinance*. Article 6: Design Review. To regulate snow removal, disposal, and storage
- Anchorage (Alaska), City of. 1996. *Municipal Code*. Title 21, Land-Use Planning, Chapter 21.50.270, Conditional Use Standards for Snow Disposal Sites.
- Minneapolis (Minnesota), City of. 1991. *Code of Ordinances*. Chapter 445, Snow and Ice Removal.

- Toronto (Ontario, Canada), City of. 2002. *Final Report on Snow Disposal Feasibility Study*.

Additional Resources (not included in packet)

Websites & Organizations

- The Livable Winter Cities Association, www.wintercities.com A North American, nonprofit organization that shares ideas, research, and solutions for northern climates.
- Ecodesign, www.sunwindlight.net A collection of resources for the ecological design of buildings and cities. The site is hosted by the College of Architecture and Design at the University of Tennessee. The site coordinator is Professor Mark DeKay.
- U.P. Engineers & Architects, Inc., www.upea.com Consulting firm with regional focus on northern climates. Books
- Brown, G.Z., and Mark DeKay. 2001. *Sun, Wind & Light: Architectural Design Strategies*. New York: J. Wiley.
- Givoni, Baruch. 1998. *Climate Considerations in Building and Urban Design*. New York: Van Nostrand Reinhold.
- Matus, Vladimir. 1988. *Design for Northern Climates: Cold-Climate Planning and Environmental Design*. New York: Van Nostrand Reinhold.
- Pressman, Norman. 1995. *Northern Cityscape: Linking Design and Climate*. Yellowknife, NT: Winter Cities Association.
- _____ . 2004. *Shaping Cities for Winter: Climactic Comfort and Sustainable Design*. Prince George, B.C.: Winter Cities Association.