

APPENDIX 9

Energy Conservation Estimates for Buildings in non-U.S. Countries

To estimate the effects of trees on reducing energy use in buildings in cities outside the United States, i-Tree assigns some U.S. values to foreign locations based on average conditions within a U.S. climate region (based on McPherson and Simpson 1999; Fig. 15). The assignment of foreign locations to U.S. climate zones were based on, in order of priority:

- 1) User assignments through i-Tree database.
- 2) Foreign location similarities with U.S. latitude and coastal or interior geography.
- 3) Foreign location similarities based on average annual temperature.

Climate region assignments are given for cities in Australia (Table 23), provinces in Canada (Table 24), countries in Europe (Table 25), and cities in Mexico (Table 26).

The cost of electricity and fuels for Australia (2008) came from the [Australian Energy Market Operator \(2010\)](#); Canada (2011) from [Natural Resources Canada \(2012\)](#); Europe (2017) from [Eurostat \(2019\)](#) or, for the United Kingdom (2013) from [Energy Solutions \(2014\)](#); and Mexico (2016) from the [International Energy Agency \(2018\)](#).

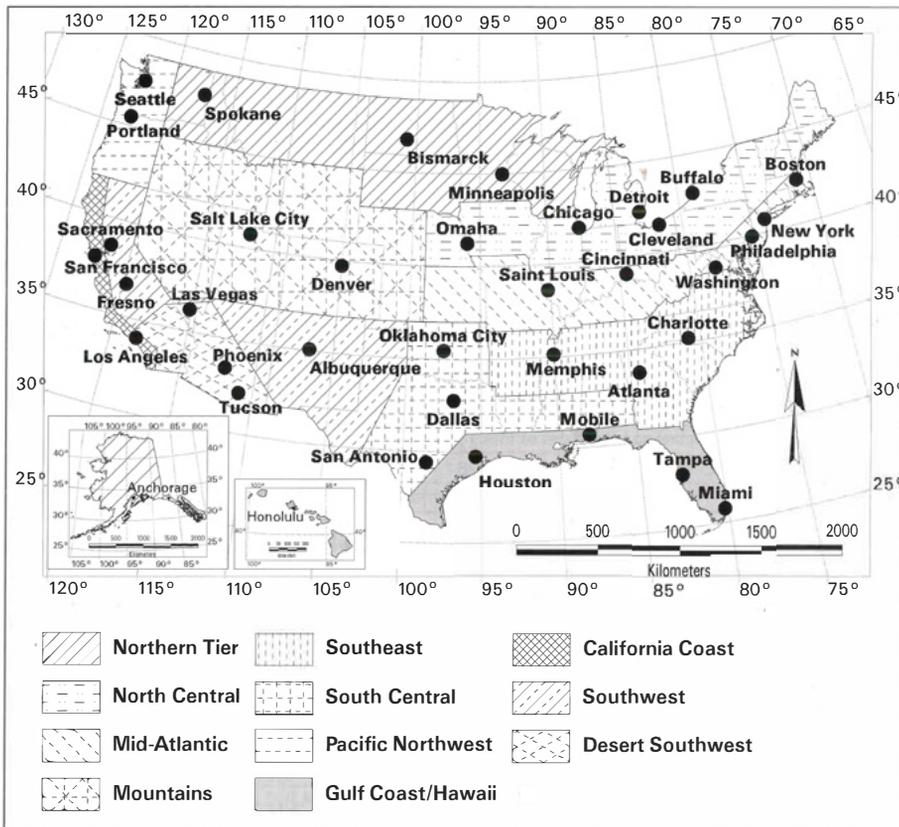


Figure 15.—Climate regions for the United States. Figure reprinted from McPherson and Simpson 1999.

Appendix 9 in: Nowak, David J. 2020. **Understanding i-Tree: Summary of programs and methods.** General Technical Report NRS-200. Madison, WI: U.S. Department of Agriculture, Forest Service, Northern Research Station. <https://doi.org/10.2737/NRS-GTR-200-Appendix9>

Table 23.—U.S. climate regions assigned to municipalities in Australia

State	Municipality	U.S. Climate Region
Australian Capital Territory	Belconnen	Southeast
Australian Capital Territory	Canberra Central	Southeast
Australian Capital Territory	Gungahlin	Southeast
Australian Capital Territory	Jerrabomberra	Southeast
Australian Capital Territory	Majura	Southeast
Australian Capital Territory	Molonglo	Southeast
Australian Capital Territory	Tuggeranong	Southeast
Australian Capital Territory	Weston Creek	Southeast
Australian Capital Territory	Woden Valley	Southeast
New South Wales	Albury City Council	South Central
New South Wales	Armidale Dumaresq Council	South Central
New South Wales	Ashfield Council	Gulf Coast/Hawaii
New South Wales	Auburn Council	Gulf Coast/Hawaii
New South Wales	Ballina Shire Council	Gulf Coast/Hawaii
New South Wales	Balranald Shire Council	Desert Southwest
New South Wales	Bankstown City Council	Gulf Coast/Hawaii
New South Wales	Bathurst Regional Council	South Central
New South Wales	Bega Valley Shire Council	South Central
New South Wales	Bellingen Shire Council	Gulf Coast/Hawaii
New South Wales	Berrigan Council	South Central
New South Wales	Blacktown City Council	Gulf Coast/Hawaii
New South Wales	Bland Shire Council	Desert Southwest
New South Wales	Blayney Shire Council	South Central
New South Wales	Blue Mountains City Council	South Central
New South Wales	Bogan Shire Council	Desert Southwest
New South Wales	Bombala Council	Southeast
New South Wales	Boorowa Council	Southeast
New South Wales	Botany Bay, The City of	Gulf Coast/Hawaii
New South Wales	Bourke Shire Council	Desert Southwest
New South Wales	Brewarrina Shire Council	Desert Southwest
New South Wales	Broken Hill City Council	Desert Southwest
New South Wales	Burwood Council	Gulf Coast/Hawaii
New South Wales	Byron Shire Council	Gulf Coast/Hawaii
New South Wales	Cabonne Shire Council	South Central
New South Wales	Camden Council	Gulf Coast/Hawaii
New South Wales	Campbelltown City Council	Gulf Coast/Hawaii
New South Wales	Canada Bay Council, City of	Gulf Coast/Hawaii
New South Wales	Canterbury City Council	Gulf Coast/Hawaii
New South Wales	Carrathool Shire Council	Desert Southwest
New South Wales	Central Darling Shire Council	Desert Southwest

continued

State	Municipality	U.S. Climate Region
New South Wales	Cessnock City Council	South Central
New South Wales	Clarence Valley Council	Gulf Coast/Hawaii
New South Wales	Cobar Shire Council	Desert Southwest
New South Wales	Coffs Harbour City Council	Gulf Coast/Hawaii
New South Wales	Conargo Shire Council	South Central
New South Wales	Coolamon Shire Council	Desert Southwest
New South Wales	Cooma-Monaro Shire Council	Southeast
New South Wales	Coonamble Shire Council	Desert Southwest
New South Wales	Cootamundra Shire Council	South Central
New South Wales	Corowa Shire Council	South Central
New South Wales	Council of the City of Sydney	Gulf Coast/Hawaii
New South Wales	Cowra Shire Council	South Central
New South Wales	Deniliquin Council	South Central
New South Wales	Dubbo City Council	South Central
New South Wales	Dungog Shire Council	South Central
New South Wales	Eurobodalla Shire Council	South Central
New South Wales	Fairfield City Council	Gulf Coast/Hawaii
New South Wales	Forbes Shire Council	Desert Southwest
New South Wales	Gilgandra Shire Council	South Central
New South Wales	Glen Innes Severn Council	South Central
New South Wales	Gloucester Shire Council	South Central
New South Wales	Gosford City Council	South Central
New South Wales	Goulburn Mulwaree Council	South Central
New South Wales	Great Lakes Council	Gulf Coast/Hawaii
New South Wales	Greater Hume Shire Council	South Central
New South Wales	Greater Taree City Council	Gulf Coast/Hawaii
New South Wales	Griffith City Council	Desert Southwest
New South Wales	Gundagai Shire Council	South Central
New South Wales	Gunnedah Shire Council	Desert Southwest
New South Wales	Guyra Shire Council	South Central
New South Wales	Gwydir Shire Council	Gulf Coast/Hawaii
New South Wales	Harden Shire Council	South Central
New South Wales	Hawkesbury City Council	South Central
New South Wales	Hay Shire Council	Desert Southwest
New South Wales	Holroyd City Council	Gulf Coast/Hawaii
New South Wales	Hornsby Shire Council	Gulf Coast/Hawaii
New South Wales	Hunter's Hill Council	Gulf Coast/Hawaii
New South Wales	Hurstville City Council	Gulf Coast/Hawaii
New South Wales	Inverell Shire Council	Gulf Coast/Hawaii
New South Wales	Jerilderie Shire Council	South Central
New South Wales	Junee Shire Council	Desert Southwest

continued

State	Municipality	U.S. Climate Region
New South Wales	Kempsey Shire Council	Gulf Coast/Hawaii
New South Wales	Kiama Municipal Council	South Central
New South Wales	Kogarah, City of	Gulf Coast/Hawaii
New South Wales	Ku-ring-gai Council	Gulf Coast/Hawaii
New South Wales	Kyogle Council	Gulf Coast/Hawaii
New South Wales	Lachlan Shire Council	Desert Southwest
New South Wales	Lake Macquarie City Council	Gulf Coast/Hawaii
New South Wales	Lane Cove Municipal Council	Gulf Coast/Hawaii
New South Wales	Leeton Shire Council	Desert Southwest
New South Wales	Leichhardt Municipal Council	Gulf Coast/Hawaii
New South Wales	Lismore City Council	Gulf Coast/Hawaii
New South Wales	Lithgow Council, City of	South Central
New South Wales	Liverpool City Council	Gulf Coast/Hawaii
New South Wales	Liverpool Plains Shire Council	Gulf Coast/Hawaii
New South Wales	Lockhart Shire Council	Desert Southwest
New South Wales	Maitland City Council	South Central
New South Wales	Manly Council	Gulf Coast/Hawaii
New South Wales	Marrickville Council	Gulf Coast/Hawaii
New South Wales	Mid-Western Regional Council	South Central
New South Wales	Moree Plains Shire Council	Desert Southwest
New South Wales	Mosman Municipal Council	Gulf Coast/Hawaii
New South Wales	Murray Shire Council	South Central
New South Wales	Murrumbidgee Shire Council	Desert Southwest
New South Wales	Muswellbrook Shire Council	South Central
New South Wales	Nambucca Shire Council	Gulf Coast/Hawaii
New South Wales	Narrabri Shire Council	Desert Southwest
New South Wales	Narrandera Shire Council	Desert Southwest
New South Wales	Narromine Shire Council	Desert Southwest
New South Wales	Newcastle City Council	Gulf Coast/Hawaii
New South Wales	North Sydney Council	Gulf Coast/Hawaii
New South Wales	Oberon Council	South Central
New South Wales	Orange City Council	South Central
New South Wales	Palerang Council	South Central
New South Wales	Parkes Shire Council	Desert Southwest
New South Wales	Parramatta City Council	Gulf Coast/Hawaii
New South Wales	Penrith City Council	Gulf Coast/Hawaii
New South Wales	Pittwater Council	Gulf Coast/Hawaii
New South Wales	Port Macquarie-Hastings Council	Gulf Coast/Hawaii
New South Wales	Port Stephens Council	Gulf Coast/Hawaii
New South Wales	Queanbeyan City Council	Southeast
New South Wales	Randwick City Council	Gulf Coast/Hawaii

continued

State	Municipality	U.S. Climate Region
New South Wales	Richmond Valley Council	Gulf Coast/Hawaii
New South Wales	Rockdale City Council	Gulf Coast/Hawaii
New South Wales	Ryde City Council	Gulf Coast/Hawaii
New South Wales	Shellharbour City Council	South Central
New South Wales	Shoalhaven City Council	South Central
New South Wales	Singleton Shire Council	South Central
New South Wales	Snowy River Shire Council	Southeast
New South Wales	Strathfield Municipal Council	Gulf Coast/Hawaii
New South Wales	Sutherland Shire Council	Gulf Coast/Hawaii
New South Wales	Tamworth Regional Council	Gulf Coast/Hawaii
New South Wales	Temora Shire Council	Desert Southwest
New South Wales	Tenterfield Shire Council	South Central
New South Wales	The Hills Shire Council	Gulf Coast/Hawaii
New South Wales	Tumbarumba Shire Council	South Central
New South Wales	Tumut Shire Council	Southeast
New South Wales	Tweed Shire Council	Gulf Coast/Hawaii
New South Wales	Upper Hunter Shire Council	South Central
New South Wales	Upper Lachlan Shire Council	Southeast
New South Wales	Uralla Shire Council	South Central
New South Wales	Urana Shire Council	South Central
New South Wales	Wagga Wagga City Council	Desert Southwest
New South Wales	Wakool Shire Council	South Central
New South Wales	Walcha Council	South Central
New South Wales	Walgett Shire Council	Desert Southwest
New South Wales	Warren Shire Council	Desert Southwest
New South Wales	Warringah Council	Gulf Coast/Hawaii
New South Wales	Warrumbungle Shire Council	South Central
New South Wales	Waverley Council	Gulf Coast/Hawaii
New South Wales	Weddin Council	Desert Southwest
New South Wales	Wellington Council	South Central
New South Wales	Wentworth Shire Council	Desert Southwest
New South Wales	Willoughby City Council	Gulf Coast/Hawaii
New South Wales	Wingecarribee Shire Council	South Central
New South Wales	Wollondilly Shire Council	South Central
New South Wales	Wollongong City Council	South Central
New South Wales	Woollahra Municipal Council	Gulf Coast/Hawaii
New South Wales	Wyong Shire Council	South Central
New South Wales	Yass Valley Council	Southeast
New South Wales	Young Shire Council	South Central
Northern Territory	Alice Springs Town Council	Desert Southwest
Northern Territory	Barkly Shire Council	Gulf Coast/Hawaii

continued

State	Municipality	U.S. Climate Region
Northern Territory	Central Desert Shire Council	Desert Southwest
Northern Territory	Coomalie Community Govt Council	Gulf Coast/Hawaii
Northern Territory	Darwin City Council	Gulf Coast/Hawaii
Northern Territory	East Arnhem Shire Council	Gulf Coast/Hawaii
Northern Territory	Katherine Town Council	Gulf Coast/Hawaii
Northern Territory	Litchfield Shire Council	Gulf Coast/Hawaii
Northern Territory	Macdonnell Shire Council	Desert Southwest
Northern Territory	Palmerston City Council	Gulf Coast/Hawaii
Northern Territory	Roper Gulf Shire Council	Gulf Coast/Hawaii
Northern Territory	Tiwi Islands Local Government	Gulf Coast/Hawaii
Northern Territory	Victoria Daly Shire Council	Gulf Coast/Hawaii
Northern Territory	Wagait Shire Council	Gulf Coast/Hawaii
Northern Territory	West Arnhem Shire Council	Gulf Coast/Hawaii
Queensland	Aurukun Shire Council	Gulf Coast/Hawaii
Queensland	Balonne Shire Council	Desert Southwest
Queensland	Banana Shire Council	Gulf Coast/Hawaii
Queensland	Barcaldine Regional Council	Desert Southwest
Queensland	Barcoo Shire Council	Desert Southwest
Queensland	Blackall-Tambo Regional Council	Desert Southwest
Queensland	Boulia Shire Council	Desert Southwest
Queensland	Brisbane City Council	Gulf Coast/Hawaii
Queensland	Bulloo Shire Council	Desert Southwest
Queensland	Bundaberg Regional Council	Gulf Coast/Hawaii
Queensland	Burdekin Shire Council	Gulf Coast/Hawaii
Queensland	Burke Shire Council	Gulf Coast/Hawaii
Queensland	Cairns Regional Council	Gulf Coast/Hawaii
Queensland	Carpentaria Shire Council	Gulf Coast/Hawaii
Queensland	Cassowary Coast Regional Council	Gulf Coast/Hawaii
Queensland	Central Highlands Regional Council	Gulf Coast/Hawaii
Queensland	Charters Towers Regional Council	Gulf Coast/Hawaii
Queensland	Cherbourg Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Cloncurry Shire Council	Desert Southwest
Queensland	Cook Shire Council	Gulf Coast/Hawaii
Queensland	Croydon Shire Council	Gulf Coast/Hawaii
Queensland	Diamantina Shire Council	Desert Southwest
Queensland	Doomadgee Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Etheridge Shire Council	Gulf Coast/Hawaii
Queensland	Flinders Shire Council	Desert Southwest
Queensland	Fraser Coast Regional Council	Gulf Coast/Hawaii
Queensland	Gladstone Regional Council	Gulf Coast/Hawaii
Queensland	Gold Coast City Council	Gulf Coast/Hawaii

continued

State	Municipality	U.S. Climate Region
Queensland	Goondiwindi Regional Council	California Coast
Queensland	Gympie Regional Council	Gulf Coast/Hawaii
Queensland	Hinchinbrook Shire Council	Gulf Coast/Hawaii
Queensland	Hope Vale Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Ipswich City Council	Gulf Coast/Hawaii
Queensland	Isaac Regional Council	Gulf Coast/Hawaii
Queensland	Kowanyama Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Lockhart River Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Lockyer Valley Regional Council	Gulf Coast/Hawaii
Queensland	Logan City Council	Gulf Coast/Hawaii
Queensland	Longreach Regional Council	Desert Southwest
Queensland	Mackay Regional Council	Gulf Coast/Hawaii
Queensland	Mapoon Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Maranoa Regional Council	Desert Southwest
Queensland	McKinlay Shire Council	Desert Southwest
Queensland	Moreton Bay Regional Council	Gulf Coast/Hawaii
Queensland	Mornington Shire Council	Gulf Coast/Hawaii
Queensland	Mount Isa City Council	Desert Southwest
Queensland	Murweh Shire Council	Desert Southwest
Queensland	Napranum Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	North Burnett Regional Council	Gulf Coast/Hawaii
Queensland	Northern Peninsula Area Regional Council	Gulf Coast/Hawaii
Queensland	Palm Island Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Paroo Shire Council	Desert Southwest
Queensland	Porpuraaw Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Quilpie Shire Council	Desert Southwest
Queensland	Redland City Council	Gulf Coast/Hawaii
Queensland	Richmond Shire Council	Desert Southwest
Queensland	Rockhampton Regional Council	Gulf Coast/Hawaii
Queensland	Scenic Rim Regional Council	South Central
Queensland	Somerset Regional Council	Gulf Coast/Hawaii
Queensland	South Burnett Regional Council	Gulf Coast/Hawaii
Queensland	Southern Downs Regional Council	Gulf Coast/Hawaii
Queensland	Sunshine Coast Regional Council	Gulf Coast/Hawaii
Queensland	Tablelands Regional Council	Gulf Coast/Hawaii
Queensland	Toowoomba Regional Council	Gulf Coast/Hawaii
Queensland	Torres Shire Council	Gulf Coast/Hawaii
Queensland	Torres Strait Island Regional Council	Gulf Coast/Hawaii
Queensland	Townsville City Council	Gulf Coast/Hawaii
Queensland	Weipa Town Council	Gulf Coast/Hawaii
Queensland	Western Downs Regional Council	Gulf Coast/Hawaii

continued

State	Municipality	U.S. Climate Region
Queensland	Whitsunday Regional Council	Gulf Coast/Hawaii
Queensland	Winton Shire Council	Desert Southwest
Queensland	Woorabinda Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Wujal Wujal Aboriginal Shire Council	Gulf Coast/Hawaii
Queensland	Yarrabah Aboriginal Shire Council	Gulf Coast/Hawaii
South Australia	Adelaide City Council	Desert Southwest
South Australia	Adelaide Hills Council	Desert Southwest
South Australia	Alexandrina Council	Desert Southwest
South Australia	Anangu Pitjantjatjara Yankunytjatjara	Desert Southwest
South Australia	Barossa Council, The	Desert Southwest
South Australia	Barunga West, District Council of	Desert Southwest
South Australia	Berri Barmera Council	Desert Southwest
South Australia	Burnside, The City of	Desert Southwest
South Australia	Campbelltown City Council	Desert Southwest
South Australia	Ceduna, District Council of	Desert Southwest
South Australia	Charles Sturt, City of	Desert Southwest
South Australia	Clare & Gilbert Valleys Council	Desert Southwest
South Australia	Cleve, District Council of	Desert Southwest
South Australia	Cooper Pedy, District Council of	Desert Southwest
South Australia	Coorong District Council, The	Desert Southwest
South Australia	Copper Coast, District Council of	Desert Southwest
South Australia	Elliston, District Council of	Desert Southwest
South Australia	Flinders Ranges Council, The	Desert Southwest
South Australia	Franklin Harbour, District Council of	Desert Southwest
South Australia	Gawler, Town of	Desert Southwest
South Australia	Gerard Community Council	Desert Southwest
South Australia	Goyder, Regional Council of	Desert Southwest
South Australia	Grant, District Council of	Desert Southwest
South Australia	Holdfast Bay, City of	Desert Southwest
South Australia	Kangaroo Island Council	Desert Southwest
South Australia	Karoonda East Murray, District Council of	Desert Southwest
South Australia	Kimba, District Council of	Desert Southwest
South Australia	Kingston District Council	Desert Southwest
South Australia	Light Regional Council	Desert Southwest
South Australia	Lower Eyre Peninsula, District Council	Desert Southwest
South Australia	Loxton Waikerie, District Council of	Desert Southwest
South Australia	Mallala, District Council of	Desert Southwest
South Australia	Maralinga Tjarutja	Desert Southwest
South Australia	Marion, City of	Desert Southwest
South Australia	Mid Murray Council	Desert Southwest
South Australia	Mitcham, City of	Desert Southwest

continued

State	Municipality	U.S. Climate Region
South Australia	Mt Barker, District Council of	Desert Southwest
South Australia	Mt Gambier, City of	Desert Southwest
South Australia	Mt Remarkable, District Council of	Desert Southwest
South Australia	Murray Bridge, The Rural City of	Desert Southwest
South Australia	Naracoorte Lucindale Council	Desert Southwest
South Australia	Nepabunna Community Incorporated	Desert Southwest
South Australia	Northern Areas Council	Desert Southwest
South Australia	Onkaparinga, City of	Desert Southwest
South Australia	Orroroo Carrieton, District Council of	Desert Southwest
South Australia	Outback Areas Community Development Trust	Desert Southwest
South Australia	Payneham & St Peters, The City Of Norwood,	Desert Southwest
South Australia	Peterborough, District Council of	Desert Southwest
South Australia	Playford, City of	Desert Southwest
South Australia	Port Adelaide Enfield, City of	Desert Southwest
South Australia	Port Augusta City Council	Desert Southwest
South Australia	Port Lincoln, City of	Desert Southwest
South Australia	Port Pirie Regional Council	Desert Southwest
South Australia	Prospect, City of	Desert Southwest
South Australia	Renmark Paringa, District Council of	Desert Southwest
South Australia	Robe, District Council of	Desert Southwest
South Australia	Roxby Downs, Municipal Council of	Desert Southwest
South Australia	Salisbury, City of	Desert Southwest
South Australia	Southern Mallee District Council	Desert Southwest
South Australia	Streaky Bay, District Council of	Desert Southwest
South Australia	Tatiara District Council	Desert Southwest
South Australia	Tea Tree Gully, City of	Desert Southwest
South Australia	Tumby Bay, District Council of	Desert Southwest
South Australia	Unley, City of	Desert Southwest
South Australia	Victor Harbor, City of	Desert Southwest
South Australia	Wakefield Regional Council	Desert Southwest
South Australia	Walkerville, Corporation of the Town of	Desert Southwest
South Australia	Wattle Range Council	Desert Southwest
South Australia	West Torrens, City of	Desert Southwest
South Australia	Whyalla, The Corporation of the City of	Desert Southwest
South Australia	Wudinna District Council	Desert Southwest
South Australia	Yalata	Desert Southwest
South Australia	Yankalilla, District Council of	Desert Southwest
South Australia	Yorke Peninsula, District Council of	Desert Southwest
Tasmania	Break O'Day Council	Pacific Northwest
Tasmania	Brighton Council	Pacific Northwest
Tasmania	Burnie City Council	Pacific Northwest

continued

State	Municipality	U.S. Climate Region
Tasmania	Central Coast Council	Pacific Northwest
Tasmania	Central Highlands Council	Pacific Northwest
Tasmania	Circular Head Council	Pacific Northwest
Tasmania	Clarence City Council	Pacific Northwest
Tasmania	Derwent Valley Council	Pacific Northwest
Tasmania	Devonport City Council	Pacific Northwest
Tasmania	Dorset Council	Pacific Northwest
Tasmania	Flinders Council	Pacific Northwest
Tasmania	George Town Council	Pacific Northwest
Tasmania	Glamorgan Spring Bay Council	Pacific Northwest
Tasmania	Glenorchy City Council	Pacific Northwest
Tasmania	Hobart City Council	Pacific Northwest
Tasmania	Huon Valley Council	Pacific Northwest
Tasmania	Kentish Council	Pacific Northwest
Tasmania	King Island Council	Pacific Northwest
Tasmania	Kingborough Council	Pacific Northwest
Tasmania	Latrobe Council	Pacific Northwest
Tasmania	Launceston City Council	Pacific Northwest
Tasmania	Meander Valley Council	Pacific Northwest
Tasmania	Northern Midlands Council	Pacific Northwest
Tasmania	Sorell Council	Pacific Northwest
Tasmania	Southern Midlands Council	Pacific Northwest
Tasmania	Tasman Council	Pacific Northwest
Tasmania	Waratah - Wynyard Council	Pacific Northwest
Tasmania	West Coast Council	Pacific Northwest
Tasmania	West Tamar Council	Pacific Northwest
Victoria	Alpine Shire Council	California Coast
Victoria	Ararat Rural City Council	California Coast
Victoria	Ballarat City Council	California Coast
Victoria	Banyule City Council	California Coast
Victoria	Bass Coast Shire Council	California Coast
Victoria	Baw Baw Shire Council	California Coast
Victoria	Bayside City Council	California Coast
Victoria	Benalla Rural City Council	California Coast
Victoria	Boroondara City Council	California Coast
Victoria	Borough of Queenscliffe	California Coast
Victoria	Brimbank City Council	California Coast
Victoria	Buloke Shire Council	California Coast
Victoria	Campaspe Shire Council	California Coast
Victoria	Cardinia Shire Council	California Coast
Victoria	Casey City Council	California Coast

continued

State	Municipality	U.S. Climate Region
Victoria	Central Goldfields Shire Council	California Coast
Victoria	Colac Otway Shire Council	California Coast
Victoria	Corangamite Shire Council	California Coast
Victoria	Darebin City Council	California Coast
Victoria	East Gippsland Shire Council	California Coast
Victoria	Frankston City Council	California Coast
Victoria	Gannawarra Shire Council	Desert Southwest
Victoria	Glen Eira City Council	California Coast
Victoria	Glenelg Shire Council	California Coast
Victoria	Golden Plains Shire Council	California Coast
Victoria	Greater Bendigo City Council	California Coast
Victoria	Greater Dandenong City Council	California Coast
Victoria	Greater Geelong City Council	California Coast
Victoria	Greater Shepparton City Council	California Coast
Victoria	Hepburn Shire Council	California Coast
Victoria	Hindmarsh Shire Council	Desert Southwest
Victoria	Hobsons Bay City Council	California Coast
Victoria	Horsham Rural City Council	California Coast
Victoria	Hume City Council	California Coast
Victoria	Indigo Shire Council	California Coast
Victoria	Kingston City Council	California Coast
Victoria	Knox City Council	California Coast
Victoria	Latrobe City Council	California Coast
Victoria	Loddon Shire Council	Desert Southwest
Victoria	Macedon Ranges Shire Council	California Coast
Victoria	Manningham City Council	California Coast
Victoria	Mansfield Shire Council	California Coast
Victoria	Maribyrnong City Council	California Coast
Victoria	Maroondah City Council	California Coast
Victoria	Melbourne City Council	California Coast
Victoria	Melton Shire Council	California Coast
Victoria	Mildura Rural City Council	Desert Southwest
Victoria	Mitchell Shire Council	California Coast
Victoria	Moira Shire Council	California Coast
Victoria	Monash City Council	California Coast
Victoria	Moonee Valley City Council	California Coast
Victoria	Moorabool Shire Council	California Coast
Victoria	Moreland City Council	California Coast
Victoria	Mornington Peninsula Shire Council	California Coast
Victoria	Mount Alexander Shire Council	California Coast
Victoria	Moyne Shire Council	California Coast

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State	Municipality	U.S. Climate Region
Victoria	Murrindindi Shire Council	California Coast
Victoria	Nillumbik Shire Council	California Coast
Victoria	Northern Grampians Shire Council	California Coast
Victoria	Port Phillip City Council	California Coast
Victoria	Pyrenees Shire Council	California Coast
Victoria	South Gippsland Shire Council	California Coast
Victoria	Southern Grampians Shire Council	California Coast
Victoria	Stonnington City Council	California Coast
Victoria	Strathbogrie Shire Council	California Coast
Victoria	Surf Coast Shire Council	California Coast
Victoria	Swan Hill Rural City Council	Desert Southwest
Victoria	Towong Shire Council	California Coast
Victoria	Wangaratta Rural City Council	California Coast
Victoria	Warrnambool City Council	California Coast
Victoria	Wellington Shire Council	California Coast
Victoria	West Wimmera Shire Council	California Coast
Victoria	Whitehorse City Council	California Coast
Victoria	Whittlesea City Council	California Coast
Victoria	Wodonga City Council	California Coast
Victoria	Wyndham City Council	California Coast
Victoria	Yarra City Council	California Coast
Victoria	Yarra Ranges Shire Council	California Coast
Victoria	Yarriambiack Shire Council	Desert Southwest
Western Australia	Albany, City of	California Coast
Western Australia	Armadale, City of	Desert Southwest
Western Australia	Ashburton, Shire of	Gulf Coast/Hawaii
Western Australia	Augusta-Margaret River, Shire of	Desert Southwest
Western Australia	Bassendean, Town of	Desert Southwest
Western Australia	Bayswater, City of	Desert Southwest
Western Australia	Belmont, City of	Desert Southwest
Western Australia	Beverley, Shire of	Desert Southwest
Western Australia	Boddington, Shire of	Desert Southwest
Western Australia	Boyup Brook, Shire of	Desert Southwest
Western Australia	Bridgetown-Greenbushes, Shire of	Desert Southwest
Western Australia	Brookton, Shire of	Desert Southwest
Western Australia	Broome, Shire of	Gulf Coast/Hawaii
Western Australia	Broomehill-Tambellup, Shire of	Desert Southwest
Western Australia	Bruce Rock, Shire of	Desert Southwest
Western Australia	Bunbury, City of	Desert Southwest
Western Australia	Busselton, Shire of	Desert Southwest
Western Australia	Cambridge, Town of	Desert Southwest

continued

State	Municipality	U.S. Climate Region
Western Australia	Canning, City of	Desert Southwest
Western Australia	Capel, Shire of	Desert Southwest
Western Australia	Carnamah, Shire of	Desert Southwest
Western Australia	Carnarvon, Shire of	Gulf Coast/Hawaii
Western Australia	Chapman Valley, Shire of	Desert Southwest
Western Australia	Chittering, Shire of	Desert Southwest
Western Australia	Christmas Island, Shire of	Gulf Coast/Hawaii
Western Australia	Claremont, Town of	Desert Southwest
Western Australia	Cockburn, City of	Desert Southwest
Western Australia	Cocos (Keeling) Islands, Shire of	Gulf Coast/Hawaii
Western Australia	Collie, Shire of	Desert Southwest
Western Australia	Coolgardie, Shire of	Desert Southwest
Western Australia	Coorow, Shire of	Desert Southwest
Western Australia	Corrigin, Shire of	Desert Southwest
Western Australia	Cottesloe, Town of	Desert Southwest
Western Australia	Cranbrook, Shire of	Desert Southwest
Western Australia	Cuballing, Shire of	Desert Southwest
Western Australia	Cue, Shire of	Desert Southwest
Western Australia	Cunderdin, Shire of	Desert Southwest
Western Australia	Dalwallinu, Shire of	Desert Southwest
Western Australia	Dandaragan, Shire of	Desert Southwest
Western Australia	Dardanup, Shire of	Desert Southwest
Western Australia	Denmark, Shire of	California Coast
Western Australia	Derby-West Kimberley, Shire of	Gulf Coast/Hawaii
Western Australia	Donnybrook-Balingup, Shire of	Desert Southwest
Western Australia	Dowerin, Shire of	Desert Southwest
Western Australia	Dumbleyung, Shire of	Desert Southwest
Western Australia	Dundas, Shire of	Desert Southwest
Western Australia	East Fremantle, Town of	Desert Southwest
Western Australia	East Pilbara, Shire of	Gulf Coast/Hawaii
Western Australia	Esperance, Shire of	Desert Southwest
Western Australia	Exmouth, Shire of	Gulf Coast/Hawaii
Western Australia	Fremantle, City of	Desert Southwest
Western Australia	Gingin, Shire of	Desert Southwest
Western Australia	Gnowangerup, Shire of	Desert Southwest
Western Australia	Goomalling, Shire of	Desert Southwest
Western Australia	Gosnells, City of	Desert Southwest
Western Australia	Greater Geraldton, City of	Desert Southwest
Western Australia	Halls Creek, Shire of	Gulf Coast/Hawaii
Western Australia	Harvey, Shire of	Desert Southwest
Western Australia	Irwin, Shire of	Desert Southwest

continued

State	Municipality	U.S. Climate Region
Western Australia	Jerramungup, Shire of	Desert Southwest
Western Australia	Joondalup, City of	Desert Southwest
Western Australia	Kalamunda, Shire of	Desert Southwest
Western Australia	Kalgoorlie-Boulder, City of	Desert Southwest
Western Australia	Katanning, Shire of	Desert Southwest
Western Australia	Kellerberrin, Shire of	Desert Southwest
Western Australia	Kent, Shire of	Desert Southwest
Western Australia	Kojonup, Shire of	Desert Southwest
Western Australia	Kondinin, Shire of	Desert Southwest
Western Australia	Koorda, Shire of	Desert Southwest
Western Australia	Kulin, Shire of	Desert Southwest
Western Australia	Kwinana, Town of	Desert Southwest
Western Australia	Lake Grace, Shire of	Desert Southwest
Western Australia	Laverton, Shire of	Desert Southwest
Western Australia	Leonora, Shire of	Desert Southwest
Western Australia	Mandurah, City of	Desert Southwest
Western Australia	Manjimup, Shire of	California Coast
Western Australia	Meekatharra, Shire of	Gulf Coast/Hawaii
Western Australia	Melville, City of	Desert Southwest
Western Australia	Menzies, Shire of	Desert Southwest
Western Australia	Merredin, Shire of	Desert Southwest
Western Australia	Mingenew, Shire of	Desert Southwest
Western Australia	Moora, Shire of	Desert Southwest
Western Australia	Morawa, Shire of	Desert Southwest
Western Australia	Mosman Park, Town of	Desert Southwest
Western Australia	Mount Magnet, Shire of	Desert Southwest
Western Australia	Mt Marshall, Shire of	Desert Southwest
Western Australia	Mukinbudin, Shire of	Desert Southwest
Western Australia	Mundaring, Shire of	Desert Southwest
Western Australia	Murchison, Shire of	Desert Southwest
Western Australia	Murray, Shire of	Desert Southwest
Western Australia	Nannup, Shire of	Desert Southwest
Western Australia	Narembeen, Shire of	Desert Southwest
Western Australia	Narrogin, Shire of	Desert Southwest
Western Australia	Narrogin, Town of	Desert Southwest
Western Australia	Nedlands, City of	Desert Southwest
Western Australia	Ngaanyatjarraku, Shire of	Desert Southwest
Western Australia	Northam, Shire of	Desert Southwest
Western Australia	Northampton, Shire of	Desert Southwest
Western Australia	Nungarin, Shire of	Desert Southwest
Western Australia	Peppermint Grove, Shire of	Desert Southwest

continued

State	Municipality	U.S. Climate Region
Western Australia	Perenjori, Shire of	Desert Southwest
Western Australia	Perth, City of	Desert Southwest
Western Australia	Pingelly, Shire of	Desert Southwest
Western Australia	Plantagenet, Shire of	California Coast
Western Australia	Port Hedland, Town of	Gulf Coast/Hawaii
Western Australia	Quairading, Shire of	Desert Southwest
Western Australia	Ravensthorpe, Shire of	Desert Southwest
Western Australia	Rockingham, City of	Desert Southwest
Western Australia	Roebourne, Shire of	Gulf Coast/Hawaii
Western Australia	Sandstone, Shire of	Desert Southwest
Western Australia	Serpentine-Jarrahdale, Shire of	Desert Southwest
Western Australia	Shark Bay, Shire of	Gulf Coast/Hawaii
Western Australia	South Perth, City of	Desert Southwest
Western Australia	Stirling, City of	Desert Southwest
Western Australia	Subiaco, City of	Desert Southwest
Western Australia	Swan, City of	Desert Southwest
Western Australia	Tammin, Shire of	Desert Southwest
Western Australia	Three Springs, Shire of	Desert Southwest
Western Australia	Toodyay, Shire of	Desert Southwest
Western Australia	Trayning, Shire of	Desert Southwest
Western Australia	Upper Gascoyne, Shire of	Gulf Coast/Hawaii
Western Australia	Victoria Park, Town of	Desert Southwest
Western Australia	Victoria Plains, Shire of	Desert Southwest
Western Australia	Vincent, Town of	Desert Southwest
Western Australia	Wagin, Shire of	Desert Southwest
Western Australia	Wandering, Shire of	Desert Southwest
Western Australia	Wanneroo, City of	Desert Southwest
Western Australia	Waroona, Shire of	Desert Southwest
Western Australia	West Arthur, Shire of	Desert Southwest
Western Australia	Westonia, Shire of	Desert Southwest
Western Australia	Wickepin, Shire of	Desert Southwest
Western Australia	Williams, Shire of	Desert Southwest
Western Australia	Wiluna, Shire of	Desert Southwest
Western Australia	Wongan - Ballidu, Shire of	Desert Southwest
Western Australia	Woodanilling, Shire of	Desert Southwest
Western Australia	Wyalkatchem, Shire of	Desert Southwest
Western Australia	Wyndham-East Kimberley, Shire of	Gulf Coast/Hawaii
Western Australia	Yalgoo, Shire of	Desert Southwest
Western Australia	Yilgarn, Shire of	Desert Southwest
Western Australia	York, Shire of	Desert Southwest

Table 24.—U.S. climate regions assigned to provinces in Canada

Province	US Climate Region
Alberta	Northern Tier
British Columbia	Northern Tier
Manitoba	Northern Tier
New Brunswick	North Central
Newfoundland and Labrador	Northern Tier
Northwest Territories	Northern Tier
Nova Scotia	North Central
Nunavut	Northern Tier
Ontario	North Central
Prince Edward Island	North Central
Quebec	North Central
Saskatchewan	Northern Tier
Yukon	Northern Tier

Table 25.—U.S. climate regions assigned to countries in Europe

Country	U.S. Climate Zone
Austria	Southeast
Belgium	Pacific Northwest
Bulgaria	Southwest
Croatia	Southwest
Cyprus	California Coast
Czech Republic	Southeast
Denmark	Pacific Northwest
Germany	California Coast
Greece	California Coast
Estonia	Northern Tier
Finland	Northern Tier
France	California Coast
Hungary	Southeast
Iceland	Northern Tier
Ireland	Pacific Northwest
Italy	California Coast
Latvia	Northern Tier
Liechtenstein	Southeast
Lithuania	Northern Tier
Luxembourg	Pacific Northwest
Malta	California Coast
Montenegro	California Coast
Netherlands	Pacific Northwest

continued

Country	U.S. Climate Zone
Norway	Northern Tier
Poland	Pacific Northwest
Portugal	California Coast
Republic of Macedonia	California Coast
Romania	Southwest
Spain	California Coast
Slovakia	Southwest
Slovenia	Southwest
Switzerland	Southeast
Sweden	Northern Tier
Turkey	Pacific Northwest
United Kingdom	Pacific Northwest
Note: not all countries in Europe are assessed in i-Tree due to limited data for the missing countries.	

Table 26.—U.S. climate regions assigned to municipalities in Mexico

State	Municipality	US Climate Region
Aguascalientes	Aguascalientes	California Coast
Baja California	Mexicali	Desert Southwest
Baja California	Playas de Rosarito	California Coast
Baja California	Tecate	California Coast
Baja California	Tijuana	California Coast
Baja California Sur	La Paz	Gulf Coast/Hawaii
Campeche	Campeche	Gulf Coast/Hawaii
Chiapas	Tuxtla Gutierrez	Gulf Coast/Hawaii
Chihuahua	Aldama	South Central
Chihuahua	Aquiles Serdan	South Central
Chihuahua	Chihuahua	South Central
Chihuahua	Juarez	South Central
Ciudad de Mexico	Alvaro Obregon	California Coast
Ciudad de Mexico	Azcapotzalco	California Coast
Ciudad de Mexico	Benito Juarez	California Coast
Ciudad de Mexico	Coyoacan	California Coast
Ciudad de Mexico	Cuajimalpa de Morelos	California Coast
Ciudad de Mexico	Cuauhtemoc	California Coast
Ciudad de Mexico	Gustavo A. Madero	California Coast
Ciudad de Mexico	Iztacalco	California Coast
Ciudad de Mexico	Iztapalapa	California Coast
Ciudad de Mexico	Magdalena Contreras	California Coast
Ciudad de Mexico	Miguel Hidalgo	California Coast
Ciudad de Mexico	Milpa Alta	California Coast
Ciudad de Mexico	Tlahuac	California Coast
Ciudad de Mexico	Tlalpan	California Coast
Ciudad de Mexico	Venustiano Carranza	California Coast
Ciudad de Mexico	Xochimilco	California Coast
Coahuila	Matamoros	Desert Southwest
Coahuila	Torreon	Desert Southwest
Colima	Colima	Gulf Coast/Hawaii
Durango	Durango	Desert Southwest
Durango	Gomez Palacio	Desert Southwest
Durango	Lerdo	Desert Southwest
Estado de Mexico	Acolman	California Coast
Estado de Mexico	Almoloya de Juarez	Southeast
Estado de Mexico	Amecameca	California Coast
Estado de Mexico	Apaxco	California Coast
Estado de Mexico	Atenco	California Coast

continued

State	Municipality	US Climate Region
Estado de Mexico	Atizapan de Zaragoza	California Coast
Estado de Mexico	Atlautla	California Coast
Estado de Mexico	Axapusco	California Coast
Estado de Mexico	Ayapango	California Coast
Estado de Mexico	Calimaya	Southeast
Estado de Mexico	Chalco	California Coast
Estado de Mexico	Chapultepec	Southeast
Estado de Mexico	Chiautla	California Coast
Estado de Mexico	Chicoloapan	California Coast
Estado de Mexico	Chiconcuac	California Coast
Estado de Mexico	Chimalhuacan	California Coast
Estado de Mexico	Coacalco de Berriozabal	California Coast
Estado de Mexico	Cocotitlan	California Coast
Estado de Mexico	Coyotepec	California Coast
Estado de Mexico	Cuautitlan	California Coast
Estado de Mexico	Cuautitlan Izcalli	California Coast
Estado de Mexico	Ecatepec de Morelos	California Coast
Estado de Mexico	Ecatzingo	California Coast
Estado de Mexico	Huehuetoca	California Coast
Estado de Mexico	Hueypoxtla	California Coast
Estado de Mexico	Huixquilucan	California Coast
Estado de Mexico	Isidro Fabela	California Coast
Estado de Mexico	Ixtapaluca	California Coast
Estado de Mexico	Jaltenco	California Coast
Estado de Mexico	Jilotzingo	California Coast
Estado de Mexico	Juchitepec	California Coast
Estado de Mexico	La Paz	California Coast
Estado de Mexico	Lerma	Southeast
Estado de Mexico	Melchor Ocampo	California Coast
Estado de Mexico	Metepec	Southeast
Estado de Mexico	Mexicaltzingo	Southeast
Estado de Mexico	Naucalpan de Juarez	California Coast
Estado de Mexico	Nextlalpan	California Coast
Estado de Mexico	Nezahualcoyotl	California Coast
Estado de Mexico	Nicolas Romero	California Coast
Estado de Mexico	Nopaltepec	California Coast
Estado de Mexico	Ocoyoacac	Southeast
Estado de Mexico	Otumba	California Coast
Estado de Mexico	Otzolotepec	Southeast
Estado de Mexico	Ozumba	California Coast

continued

State	Municipality	US Climate Region
Estado de Mexico	Papalotla	California Coast
Estado de Mexico	Rayon	Southeast
Estado de Mexico	San Antonio la Isla	Southeast
Estado de Mexico	San Martin de las Piramides	California Coast
Estado de Mexico	San Mateo Atenco	Southeast
Estado de Mexico	Tecamac	California Coast
Estado de Mexico	Temamatla	California Coast
Estado de Mexico	Temascalapa	California Coast
Estado de Mexico	Temoaya	Southeast
Estado de Mexico	Tenango del Aire	California Coast
Estado de Mexico	Tenango del Valle	California Coast
Estado de Mexico	Teoloyucan	California Coast
Estado de Mexico	Teotihuacan	California Coast
Estado de Mexico	Tepetlaoxtoc	California Coast
Estado de Mexico	Tepetlixpa	California Coast
Estado de Mexico	Tepotzotlan	California Coast
Estado de Mexico	Tequixquiac	California Coast
Estado de Mexico	Texcoco	California Coast
Estado de Mexico	Tezoyuca	California Coast
Estado de Mexico	Tlalmanalco	California Coast
Estado de Mexico	Tlalnepantla de Baz	California Coast
Estado de Mexico	Toluca	Southeast
Estado de Mexico	Tonanitla	California Coast
Estado de Mexico	Tultepec	California Coast
Estado de Mexico	Tultitlan	California Coast
Estado de Mexico	Valle de Chalco Solidaridad	California Coast
Estado de Mexico	Villa del Carbon	California Coast
Estado de Mexico	Xonacatlan	Southeast
Estado de Mexico	Zinacantepec	Southeast
Estado de Mexico	Zumpango	California Coast
Guanajuato	Irapuato	Southwest
Guanajuato	Leon	Southwest
Guanajuato	Silao de la Victoria	Southwest
Guerrero	Acapulco de Juarez	Gulf Coast/Hawaii
Guerrero	Coyuca de Benitez	Gulf Coast/Hawaii
Hidalgo	Pachuca de Soto	California Coast
Hidalgo	Tizayuca	California Coast
Jalisco	El Salto	Gulf Coast/Hawaii
Jalisco	Guadalajara	Gulf Coast/Hawaii
Jalisco	Ixtlahuacan de los Membrillos	Gulf Coast/Hawaii

continued

State	Municipality	US Climate Region
Jalisco	Juanacatlan	Gulf Coast/Hawaii
Jalisco	Tlajomulco de Zuniga	Gulf Coast/Hawaii
Jalisco	Tlaquepaque	Gulf Coast/Hawaii
Jalisco	Tonala	Gulf Coast/Hawaii
Jalisco	Zapopan	Gulf Coast/Hawaii
Michoacan	Charo	California Coast
Michoacan	Morelia	California Coast
Michoacan	Tarimbaro	California Coast
Morelos	Cuernavaca	Gulf Coast/Hawaii
Nayarit	Tepic	Gulf Coast/Hawaii
Nayarit	Xalisco	Gulf Coast/Hawaii
Nuevo Leon	Apodaca	Desert Southwest
Nuevo Leon	Cadereyta Jimenez	Desert Southwest
Nuevo Leon	Carmen	Desert Southwest
Nuevo Leon	Garcia	Desert Southwest
Nuevo Leon	General Escobedo	Desert Southwest
Nuevo Leon	Guadalupe	Desert Southwest
Nuevo Leon	Juarez	Desert Southwest
Nuevo Leon	Monterrey	Desert Southwest
Nuevo Leon	Salinas Victoria	Desert Southwest
Nuevo Leon	San Nicolas de los Garza	Desert Southwest
Nuevo Leon	San Pedro Garza Garcia	Desert Southwest
Nuevo Leon	Santa Catarina	Desert Southwest
Nuevo Leon	Santiago	Desert Southwest
Oaxaca	Animas Trujano	Gulf Coast/Hawaii
Oaxaca	Oaxaca de Juarez	Gulf Coast/Hawaii
Oaxaca	San Agustin de las Juntas	Gulf Coast/Hawaii
Oaxaca	San Agustin Yatareni	Gulf Coast/Hawaii
Oaxaca	San Andres Huayapam	Gulf Coast/Hawaii
Oaxaca	San Antonio de la Cal	Gulf Coast/Hawaii
Oaxaca	San Bartolo Coyotepec	Gulf Coast/Hawaii
Oaxaca	San Jacinto Amilpas	Gulf Coast/Hawaii
Oaxaca	San Lorenzo Cacaotepec	Gulf Coast/Hawaii
Oaxaca	San Pablo Etla	Gulf Coast/Hawaii
Oaxaca	San Sebastian Tutla	Gulf Coast/Hawaii
Oaxaca	Santa Cruz Amilpas	Gulf Coast/Hawaii
Oaxaca	Santa Cruz Xoxocotlan	Gulf Coast/Hawaii
Oaxaca	Santa Lucia del Camino	Gulf Coast/Hawaii
Oaxaca	Santa Maria Atzompa	Gulf Coast/Hawaii
Oaxaca	Santa Maria Coyotepec	Gulf Coast/Hawaii

continued

State	Municipality	US Climate Region
Oaxaca	Santa Maria del Tule	Gulf Coast/Hawaii
Oaxaca	Santo Domingo Tomaltepec	Gulf Coast/Hawaii
Oaxaca	Soledad Etla	Gulf Coast/Hawaii
Oaxaca	Tlalixtac de Cabrera	Gulf Coast/Hawaii
Oaxaca	Villa de Etla	Gulf Coast/Hawaii
Oaxaca	Villa de Zaachila	Gulf Coast/Hawaii
Puebla	Acajete	California Coast
Puebla	Amozoc	California Coast
Puebla	Chiautzingo	California Coast
Puebla	Coronango	California Coast
Puebla	Cuatlancingo	California Coast
Puebla	Domingo Arenas	California Coast
Puebla	Huejotzingo	California Coast
Puebla	Juan C. Bonilla	California Coast
Puebla	Ocoyucan	California Coast
Puebla	Puebla	California Coast
Puebla	San Andres Cholula	California Coast
Puebla	San Felipe Teotlalcingo	California Coast
Puebla	San Gregorio Atzompa	California Coast
Puebla	San Martin Texmelucan	California Coast
Puebla	San Miguel Xoxtla	California Coast
Puebla	San Pedro Cholula	California Coast
Puebla	San Salvador el Verde	California Coast
Puebla	Tepatlaxco de Hidalgo	California Coast
Puebla	Tlaltenango	California Coast
Queretaro	Corregidora	California Coast
Queretaro	El Marques	California Coast
Queretaro	Huimilpan	California Coast
Queretaro	Queretaro	California Coast
Quintana Roo	Benito Juarez	Gulf Coast/Hawaii
San Luis Potosi	San Luis Potosi	Southwest
San Luis Potosi	Soledad de Graciano Sanchez	Southwest
Sinaloa	Culiacan	Gulf Coast/Hawaii
Sonora	Guaymas	Gulf Coast/Hawaii
Tabasco	Centro (Villahermosa)	Gulf Coast/Hawaii
Tamaulipas	Tampico	Gulf Coast/Hawaii
Tlaxcala	Acuamanala de Miguel Hidalgo	California Coast
Tlaxcala	Ixtacuixtla de Mariano Matamoros	California Coast
Tlaxcala	Mazatecochco de Jose Maria Morelos	California Coast
Tlaxcala	Nativitas	California Coast

continued

State	Municipality	US Climate Region
Tlaxcala	Papalotla de Xicohtencatl	California Coast
Tlaxcala	San Jeronimo Zacualpan	California Coast
Tlaxcala	San Juan Huactzinco	California Coast
Tlaxcala	San Lorenzo Axocomanitla	California Coast
Tlaxcala	San Pablo del Monte	California Coast
Tlaxcala	Santa Ana Nopalucan	California Coast
Tlaxcala	Santa Apolonia Teacalco	California Coast
Tlaxcala	Santa Catarina Ayometla	California Coast
Tlaxcala	Santa Cruz Quilehtla	California Coast
Tlaxcala	Tenancingo	California Coast
Tlaxcala	Teolocholco	California Coast
Tlaxcala	Tepetitla de Lardizabal	California Coast
Tlaxcala	Tepeyanco	California Coast
Tlaxcala	Tetlatlahuca	California Coast
Tlaxcala	Xicohtzinco	California Coast
Tlaxcala	Zacatelco	California Coast
Veracruz	Banderilla	Gulf Coast/Hawaii
Veracruz	Coatepec	Gulf Coast/Hawaii
Veracruz	Emiliano Zapata	Gulf Coast/Hawaii
Veracruz	Jilotepec	Gulf Coast/Hawaii
Veracruz	Rafael Lucio	Gulf Coast/Hawaii
Veracruz	Tlalnelhuayocan	Gulf Coast/Hawaii
Veracruz	Xalapa	Gulf Coast/Hawaii
Yucatan	Conkal	Gulf Coast/Hawaii
Yucatan	Kanasin	Gulf Coast/Hawaii
Yucatan	Merida	Gulf Coast/Hawaii
Yucatan	Ucu	Gulf Coast/Hawaii
Yucatan	Uman	Gulf Coast/Hawaii
Zacatecas	Zacatecas	Southwest

Note: The procedures of estimating tree effects on energy use was developed based on average U.S. building types and energy uses within U.S. climate regions. Applications of this process outside of the United States will produce results that assume that the U.S. conditions (e.g., climate, building types, heating fuel usage) apply to the foreign location. The only local values used in the estimates for Australia, Canada, Europe, and Mexico are electricity and fuel costs.

All other variables used in the energy calculations are based on the formulas and tables in [McPherson and Simpson 1999](#).