

Sustaining Places Practices for Comprehensive Planning

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American Planning Association

Making Great Communities Happen

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Foreword

This PAS Essential Info Packet serves as a companion piece to *Sustaining Places: Best Practices for Comprehensive Plans* (PAS Report No. 578).

In 2010 APA launched its Sustaining Places Initiative, a multi-year, multi-faceted program to define the role of planning in addressing all human settlement issues relating to sustainability. After announcing the initiative at the United Nations Fifth World Urban Forum in Rio de Janeiro, Brazil, former APA President Bruce Knight, FAICP, created a Sustaining Places Task Force to explore the role of comprehensive planning in fostering sustainable communities. The task force's work culminated in a report recommending that standards be developed as a resource for communities seeking to integrate sustainability into their comprehensive plans. In early 2012 APA published a modified version of this task force report as *Sustaining Places: The Role of the Comprehensive Plan* (PAS Report No. 567).

Following the publication of this report, APA established a Plan Standards Working Group to develop a set of draft standards. The resulting draft standards are grouped under three broad categories: Principles, Processes, and Attributes. Under this scheme, *Principles* incorporate standards relating to the overall goals for a comprehensive plan aimed at fostering a sustainable community. These goals include a Livable Built Environment, Harmony with Nature, a Resilient Economy, Interwoven Equity, a Healthy Community, and Responsible Regionalism. *Processes* incorporate standards related to Authentic Public Participation and Accountable Implementation, and *Attributes* incorporate standards related to Consistent Content and Coordinated Characteristics of comprehensive plans for sustainable communities.

Planners vetted these draft standards at a day-long workshop at APA's 2013 National Planning Conference in Chicago. Next, APA selected 10 pilot communities in various stages of developing comprehensive plans to help refine and finalize the standards as well as evaluate a designation program to recognize exemplary plans using these standards. Three additional communities (along with one of the pilot communities) volunteered their completed comprehensive plans to test the proposed scoring system for designating Sustaining Places comprehensive plans. APA and representatives of the communities shared the results of their work and their thoughts about the standards and designation program at a day-long workshop at the 2014 National Planning Conference in Atlanta.

In January 2015 APA published *Sustaining Places: Best Practices for Comprehensive Plans* (PAS Report No. 578). The report summarizes the work of the Plan Standards Working Group, presents a revised version of the standards with an accompanying scoring matrix, and explains how communities can use the standards as a benchmark for their own comprehensive planning efforts.

This Essential Info Packet offers an annotated list with URLs of 20 comprehensive plans from a diverse group of counties and municipalities across the country that address many of the best practices identified through this initiative. URLs are provided for each resource so that users may read or download them at their convenience. These plans provide a range of examples of innovative and progressive plan language and organization to help inform comprehensive plan update or review efforts. The packet also provides an annotated list with URLs to 15 documents offering guidance on incorporating various aspects of sustainability into comprehensive plans. Finally, the packet includes a copy of the Sustaining Places comprehensive plan scoring matrix from PAS Report 578 and definitions for each of the best practices associated with the Principles, Processes, and Attributes.

Selected Comprehensive Plans:

Alachua (Florida), County. 2011. *Alachua County Comprehensive Plan 2011-2030*. Full plan available at https://growth-management.alachuacounty.us/comprehensive_planning/.

- Population 253,451. Rapidly growing suburban/rural county containing majority of Gainesville, FL, Metropolitan Statistical Area.
- APA Florida Excellence Award for Comprehensive Plan (Large) in 2011.
- Strongest in Livable Built Environment, Harmony with Nature, Interwoven Equity, Healthy Community, Responsible Regionalism, and Characteristics.
- Does not include an implementation program, but plan policies are especially specific in terms of implementation responsibilities; includes Community Health, Public School Facilities, and Energy elements not required under Florida's state planning statutes.

Albany (New York), City of. 2012. *Albany 2030*. Full plan available at www.albany2030.org/general/final-plan.

- Population 98,424. Capital of New York and part of the Albany-Schenectady-Troy Metropolitan Statistical Area.
- APA New York Upstate Planning Excellence Award for Comprehensive Planning Winner in 2013; the completed plan was used to help refine the Sustaining Places comprehensive plan standards.
- Strongest in Livable Built Environment, Harmony with Nature, Healthy Community, Authentic Participation, Content, and Characteristics.
- The plan is based on a systems approach, with three guiding concepts and five systems principles. It has a strong and inclusive public participation process, which involved a wide-range of in-person and online strategies. Each goal contains linked references to related goals in other sections of the plan, and is particularly strong on the plan attributes.

Austin (Texas), City of. 2012. *Imagine Austin*. Full plan available at <https://austintexas.gov/department/our-plan-future>.

- Population 885,400. Capital of Texas and 11th largest city in the U.S.
- Austin's completed plan was used to help refine the Sustaining Places comprehensive plan standards.
- Strongest in Harmony with Nature, Healthy Community, Authentic Participation, Content, and Characteristics.
- The plan is structured around a seven-part vision and seven policy area "building blocks": land use and transportation, housing and neighborhoods, economy, conservation and environment, city facilities and services, society, and creativity. The planning process included a strong and inclusive public engagement component. The Implementation section of the plan offers multiple community indicators for each vision area, as well as a detailed action matrix that identifies priority programs to implement each action item, though responsible agencies or entities are not identified.

Baltimore (Maryland), County of. 2010. *Master Plan 2020*. Full plan available at www.baltimorecountymd.gov/Agencies/planning/masterplanning/masterplan2020download.html.

- Population 823,015. Suburban/rural county; part of the Washington-Baltimore Arlington DC-MD-VA-WV-PA Combined Statistical Area.
- Strongest in Livable Built Environment, Interwoven Equity, Content, and Characteristics.
- This county plan focuses on sustainability through an approach that considers community, economy, and environment. It focuses strongly on promoting the revitalization of distressed neighborhoods, smart-growth development of new areas, and providing adequate services to its disadvantaged populations. The plan provides comprehensive lists of action items to help implement each policy, but does not identify responsible departments or entities.

Birmingham (Alabama), City of. 2013. *Birmingham Comprehensive Plan*. Full plan available at www.birminghamcomprehensiveplan.com/?p=993.

- Population 212,113. Legacy city; population peaked in 1960 at 340,887.
- Strongest in Livable Built Environment, Resilient Economy, Healthy Community, Content, and Characteristics.
- The plan is organized around four big-picture focus areas: green systems; neighborhoods, housing, and community renewal; prosperity and opportunity; and strengthening the city systems and networks. It offers a detailed vision statement and complete structure of goals, policies, strategies, and detailed action items; each chapter ends with a list of specified actions and responsible parties for that topic area.

Boise (Idaho), City of. 2010. *Blueprint Boise*. Full plan available at <http://pds.cityofboise.org/planning/comp/blueprint-boise/>.

- Population 214,237. Rapidly growing principal city of the Boise-Nampa, ID, Metropolitan Statistical Area.
- APA Idaho award winner for Outstanding Comprehensive Plan in 2012.
- Strongest in Livable Built Environment, Healthy Community, Responsible Regionalism, Content, and Characteristics.
- Incorporates 11 subarea plans, each with its own set of policies, in addition to citywide policies organized around seven broad themes.

Cincinnati (Ohio), City of. 2012. *PLAN Cincinnati: A Comprehensive Plan for the Future*. Full plan available at www.plancincinnati.org/sites/default/files/plan_cincinnati_pdf/final_plan_cincinnati_document_11-21-12.pdf.

- Population 297,517. Legacy city; population peaked at 503,998 in 1950.
- Winner of APA's Daniel Burnham Award for a Comprehensive Plan in 2014.
- Strongest in Livable Built Environment, Resilient Economy, Interwoven Equity, Healthy Community, Authentic Participation, and Characteristics.
- Organized around five initiative areas rather than conventional plan elements.

Flint (Michigan), City of. 2013. *Imagine Flint: Master Plan for a Sustainable Flint*. Full plan available at www.imagineflint.com/Documents.aspx.

- Population 99,763. Legacy city; population peaked at 196,940 in 1960.
- APA Michigan Excellence Award winner for Public Outreach in 2014.
- Strongest in Livable Built Environment, Resilient Economy, Interwoven Equity, Healthy Community, Authentic Participation, and Content.
- Richly illustrated; covers a wide range of social and economic topics absent from most comprehensive plans in Michigan.

Lincoln-Lancaster (Nebraska), City-County of. 2011. *LPlan 2040*. Full plan available at <http://lincoln.ne.gov/City/plan/lplan2040/index.htm>.

- Population Lancaster County, 297,036; Lincoln, 268,738. Capital of Nebraska and home of the University of Nebraska.
- Strongest in Livable Built Environment, Harmony with Nature, Healthy Community, Authentic Participation, and Characteristics.
- This plan focuses on the balance between the urban area of Lincoln and the rural areas of Lancaster County, including addressing preservation of agricultural lands and prairie landscapes and equity between urban and rural areas.

Lowell (Massachusetts), City of. 2013. *Sustainable Lowell 2025*. Full plan available at www.lowellma.gov/dpd/Documents/Sustainable%20Lowell%202025.pdf.

- Population 108,861. Historic mill town and the second largest city in the Boston metropolitan area.
- Strongest in Livable Built Environment, Harmony with Nature, Healthy Community, Authentic Participation, and Content.

- The plan offers a detailed vision statement focused on sustainability, with eight goals and action item areas linked to 21 desired planning outcomes. The public participation process for the plan was especially inclusive, with a focus on reaching underserved populations and youth; the vision statement and introductory summaries for different sections are provided in four languages (English, Spanish, Portuguese, and Khmer).

Montpelier (Vermont), City of. 2010. *Master Plan 2010*. Full plan available at www.montpelier-vt.org/page/406.html.

- Population 7,755. Capital of Vermont and the smallest of all state capital cities.
- Strongest in Livable Built Environment, Harmony with Nature, Resilient Economy, Healthy Community, Responsible Regionalism, Authentic Participation, Accountable Implementation, Content, and Characteristics.
- The plan offers detailed lists of recommended strategies for goals, and identifies the responsible parties for each strategy action. It addresses regional context and coordination, and has a strong focus on community well-being throughout, with concerns about all aspects of the environment, residents' livelihoods, community governance, and social and human development, with a number of community well-being-related goal areas and strategies not seen in other plans.

Newark (California), City of. 2013. *General Plan*. Full plan available at www.newark.org/departments/planning-and-economic-development/newark-general-plan/.

- Population 44,096. City incorporated in 1955 and is entirely surrounded by the city of Fremont within the San Francisco-Oakland-Hayward, CA MSA.
- Strongest in Livable Built Environment, Harmony with Nature, Healthy Community, Content, and Characteristics.
- This plan focuses on shifting from an automobile-dominated growth paradigm to a smart-growth oriented future promoting compact infill development served by a multimodal transportation system. The plan references the city's Climate Action Plan and provides climate adaptation policies and action items.

Norfolk (Virginia), City of. 2013. *plaNorfolk 2030*. Full plan available at www.norfolk.gov/index.aspx?nid=1376.

- Population 246,139. Slow-growth principal city of the Virginia Beach–Norfolk–Newport News, VA–NC, Metropolitan Statistical Area; population peaked at 307,951 in 1970 before falling to 234,403 in 2000.
- APA Virginia award winner for a large city comprehensive plan in 2013; plan was used to help refine the Sustaining Places comprehensive plan standards.
- Strongest in Livable Built Environment, Harmony with Nature, Healthy Community, Accountable Implementation, Content, and Characteristics.
- Includes detailed implementation matrix for all plan actions with lead responsibility, timeframe for completion, and cost estimates.

Oak Park (Illinois), Village of. 2014. *Envision Oak Park*. Full plan available at www.oak-park.us/village-services/planning/comprehensive-planning.

- Population 52,006. Slow-growth, high-density inner-ring suburb of Chicago.
- Strongest in Livable Built Environment, Harmony with Nature, Resilient Economy, Healthy Community, Authentic Participation, and Characteristics.
- Includes metrics associated with plan goals throughout; includes elements dealing with Arts & Culture, Community Life & Engagement, and Governmental Excellence.

Olathe (Kansas), City of. 2010. *Plan Olathe Comprehensive Plan*. Full plan available at www.planolathe.org/.

- Population 131,885. Suburban community in the Kansas City MO-KS Metropolitan Statistical Area and the fourth largest city in Kansas.
- Strongest in Responsible Regionalism, Accountable Implementation, Content, and Characteristics.

- Plan Olathe has a strong focus on regional collaboration within Johnson County and the MARC region. The plan is well organized in a way that explains the planning process and plan elements in a straightforward manner, making it accessible. Each section of the plan is highlighted with pictures drawn by local elementary school students illustrating their favorite places in the community. The plan also contains a detailed implementation section, highlighting key actions, lead agencies, and priority levels.

Raleigh (North Carolina), City of. 2009. *2030 Comprehensive Plan*. Full plan available at www.raleighnc.gov/business/content/PlanDev/Articles/LongRange/2030ComprehensivePlan.html.

- Population 431,746. Fast-growing Capital of North Carolina, part of the Research Triangle with Durham and Chapel Hill.
- This completed plan was used to help refine the Sustaining Places comprehensive plan standards.
- Strongest in Livable Built Environment, Harmony with Nature, Resilient Economy, Responsible Regionalism, and Characteristics.
- The cornerstones of this plan are a "commitment to sustainability" and a "triple-bottom line" approach. The plan has six "vision themes": economic prosperity and equity; expanding housing choices; managing growth; coordinating land use and transportation; sustainable development; and growing successful neighborhoods and communities. These vision themes run throughout the plan elements, providing the framework for goals and objectives.

Rock Island (Illinois), City of. 2014. *City of Rock Island Comprehensive Plan: A 20-Year Guide for City Objectives*. Full plan available at <http://rigov.org/DocumentCenter/View/6991>.

- Population 38,877. One of the four "Quad Cities" of the Davenport-Moline-Rock Island IA-IL Metropolitan Statistical Area on the Mississippi River.
- This plan was used to help refine the Sustaining Places comprehensive plan standards.
- Strongest in Livable Built Environment, Harmony with Nature, Healthy Community Authentic Participation, Content, and Characteristics.
- An extensive public outreach component that engaged multiple stakeholder groups is documented within the plan. The plan also devotes a focus area of goals and policies to regionalism.

San Jose (California), City of. 2010. *Envision San Jose 2040*. Full plan available at www.sanjoseca.gov/index.aspx?nid=1737.

- Population 998,537. Rapidly growing principal city of the San Jose–Sunnyvale–Santa Clara, CA, Metropolitan Statistical Area; 10th largest city in the U.S.
- APA California Excellence Award winner for Comprehensive Planning: Large Jurisdiction in 2012.
- Strongest in Livable Built Environment, Harmony with Nature, Resilient Economy, Interwoven Equity, Responsible Regionalism, Authentic Participation and Characteristics.
- Organized around seven broad community values; includes table explaining how plan chapters satisfy California's comprehensive plan requirements.

Shreveport (Louisiana), City of. 2010. *Great Expectations: Shreveport-Caddo Master Plan 2030*. Full plan available at www.shreveportcaddomasterplan.com/.

- Population 200,237. Third-largest city in Louisiana, part of Shreveport-Bossier City Metropolitan Statistical Area and ArkLaTex Region.
- APA Louisiana 2013 Excellence Award Winner.
- Strongest in Harmony with Nature, Resilient Economy, Interwoven Equity, and Healthy Community.
- This plan has a strong fact base, both as part of the introductory analysis and at the beginning of each chapter, examining current conditions and community context. Each chapter ends with a summary implementation table, containing early actions and responsible parties. The plan also has a strong implementation section, which focuses on the timeframe, actions, responsible department, and necessary resources to achieve each goal.

Tucson (Arizona), City of. 2013. *PLAN TUCSON: City of Tucson General & Sustainability Plan 2013*. Full plan available at http://oip.tucsonaz.gov/files/integrated-planning/Plan_Tucson_Complete_Doc_11-13-13.pdf.

- Population 526,116. Second-largest city in Arizona.
- Strongest in Harmony with Nature, Interwoven Equity, and Healthy Community, Authentic Participation, Content, and Characteristics.
- The plan includes goals relating to climate change adaptation and carbon reduction, and focuses on other environmental areas including water conservation and renewable energy. The plan is also concerned with revitalizing distressed and disinvested neighborhoods and housing, and providing support for disadvantaged populations, including emergency preparedness efforts. It describes a robust public outreach effort that included hard-to-reach populations and non-English speakers. It includes a matrix of sustainability indicators. Tables, graphics, and images are used liberally to illustrate data and plan principles, making the plan easy to read and engaging.

Guidance for Adding Sustaining Places Principles to the Comprehensive Plan:

California Air Pollution Control Officers Association. 2009. *Model Policies for Greenhouse Gases in General Plans: A Resource for Local Government to Incorporate General Plan Policies to Reduce Greenhouse Gas Emissions*. Sacramento, California: California Air Pollution Control Officers Association. Available at http://www.ca-ilg.org/sites/main/files/file-attachments/resources_CAPCOA_Model_Policies_for_Greenhouse_Gases_in_General_Plans_-_June_2009.pdf.

- This guidebook offers background on addressing climate protection within comprehensive plans and provides model policies for reducing greenhouse gas emissions.
- See especially Chapter 5, General Plan Structure and Greenhouse Gas Reduction; Chapter 6, Model Policies to Reduce Greenhouse Gases; and Appendix E, Top 10 Actions by Local Governments and Communities.

California Governor's Office of Planning and Research. 2010. *Strategies for Sustainable Communities: A Guidebook Based on California Community Types*. Available at <http://opr.ca.gov/docs/StrategiesforSustainableCommunities.pdf>.

- This guidebook provides high-priority sustainability goals, strategies for sustainable communities, and success indicators for 10 community types ranging from major city to rural agricultural and natural resource community.

California Governor's Office of Planning and Research. 2010. *Update to the General Plan Guidelines: Complete Streets and the Circulation Element*. Section II, Circulation Element Update. Available at http://opr.ca.gov/docs/Update_GP_Guidelines_Complete_Streets.pdf.

- This guidebook offers sample goals, policies, data collection recommendations, and implementation measures to help promote a balanced multimodal transportation network through the comprehensive plan.

ChangeLab Solutions. 2010. *Model Comprehensive Plan Language on Complete Streets*. Available at <http://changelabsolutions.org/publications/comp-plan-language-cs>.

- This document suggests language for a comprehensive plan's transportation vision statement and policy package, as well as additional language to be used throughout other chapters to encourage the integration of Complete Streets policies in interagency planning for land use, schools, public facilities, parks and recreation, and community health.

Evans, Chris, and Margaret Stinchcomb. 2012. *Model Comprehensive Plan Policies and Model Ordinances to Implement the Livability Principles*. University of Minnesota School of Law, Environmental Sustainability Policy Clinic. Available at http://www.resilientregion.org/cms/files/Model_Comprehensive_Policies_and_Ordinances_to_Implement_the_Livability_Principles.pdf.

- This guidebook offers model comprehensive plan policies (and ordinances) to help Minnesota's small cities, large cities, and counties implement the federal Partnership for Sustainable Communities' six Livability Principles.

Federal Emergency Management Agency, Region X. *Integrating the Local Natural Hazard Mitigation Plan into a Community's Comprehensive Plan: A Guidebook for Local Governments*. Available at www.fema.gov/media-library-data/1388432170894-6f744a8afa8929171dc62d96da067b9a/FEMA-X-IntegratingLocalMitigation.pdf.

- This guidebook offers guidance to communities on integrating natural hazard mitigation into comprehensive planning efforts. It includes numerous best-practice case studies from FEMA Region X states (Alaska, Idaho, Oregon, and Washington), and provides a hazard mitigation and comprehensive plan integration diagnostic scoring tool.

Georgia Department of Community Affairs, State of. 2004. "State Planning Recommendations: Policies." Available at <http://www.dca.ga.gov/development/PlanningQualityGrowth/DOCUMENTS/Laws.Rules.Guidelines.Etc/SPRs/SPR.Policies.pdf>.

- This handout lists suggested policy language for comprehensive plans for the topics of development patterns, resource protection, community facilities and infrastructure, social and economic development, and governmental relations.

Godschalk, David. 2012. "Equity in Comprehensive Plans." *The Commissioner*, Summer. Available at www.planning.org/pas/infopackets/subscribers/pdf/godschalk2012commissionersummer.pdf.

- This article offers guidance on integrating "Interwoven Equity" principles into the comprehensive plan, using Marin County's general plan as a case study example.

Macadangdang, Krystle, and Melissa Newmons. 2010. "Sea Level Rise Ready: Model Comprehensive Plan Goals, Objectives and Policies, to Address Sea-Level Rise Impacts in Florida." University of Florida Conservation Clinic. Available at www.flseagrant.org/wp-content/uploads/2012/03/sea_level_rise_Cons.Clinic_2010_v.2.pdf.

- This PowerPoint presentation offers model comprehensive plan goals, objectives, and policies to address sea-level rise adaptation for Florida communities through protection, accommodation, and managed relocation.

Maryland Department of Planning, State of. 2007. *The Water Resources Element: Planning for Water Supply and Wastewater and Stormwater Management*. Managing Maryland's Growth Models & Guidelines 26. Available at www.mdp.state.md.us/PDF/OurProducts/Publications/ModelsGuidelines/mg26.pdf.

- This guidebook, written to help Maryland communities comply with a state water resources planning requirement, offers sample policies for addressing management of water supplies, wastewater, and stormwater runoff in the comprehensive plan.

Pinellas (Florida), County of, Planning Department, and the Renaissance Planning Group. 2007. *Livable Communities: Model Comprehensive Plan Objectives and Policies*. Prepared for the Pinellas County Metropolitan Planning Organization. Available at <http://www.pinellascounty.org/mpo/SpecialProjects/LivableCommunity/LCModelCPObj&Pol.pdf>.

- This guidebook offers model comprehensive plan policies and objectives for walkable streets, transit stops, parking and driveways, mixed use development, design standards, and workforce housing.

Puget Sound Regional Council. 2012. *Integrating Food Policy in Comprehensive Planning: Strategies and Resources for the City of Seattle*. Part 3.0, Findings from Research. Part 4.0, Inventory of Policies by Food Policy Category. Part 5.0, Recommended Strategies. Available at www.seattle.gov/Documents/Departments/OSE/Seattle_food_comp_plan_FINAL_082012.pdf.

- This report, written for the City of Seattle, provides recommendations and sample language from other local plans for integrating food systems policy into the land use, transportation, housing, economic development, human development, environment, and connecting jurisdictions and institutions elements.

Ricklin, Anna, and Nick Kushner. 2013. *Integrating Health Into the Comprehensive Planning Process: An Analysis of Seven Case Studies and Recommendations for Change*. Washington, D.C.: American Planning Association. Available at www.planning.org/research/publichealth/pdf/healthyplanningreport.pdf.

- This APA report offers best practice recommendations and action steps for integrating health into comprehensive plans based on an analysis of comprehensive plans from seven case study communities.

Tampa Bay Area Regional Transportation Authority Land Use Working Group. 2010. "Draft Comprehensive Plan Model Policies for Transit Oriented Development." Appendix A in *SMART Connect: Sarasota-Manatee Area Regional Transit Study*. Bartow, Florida: Florida DOT District One. Available at www.tbarta.com/images/studies/SC%20TOD.pdf.

- This document offers model goal, objective, and policy language for planning for transit-oriented development that addresses coordination and economic development, land use, mobility, and community design.

Treasure Coast Regional Planning Commission. 2012. "Model Transit Oriented Development Comprehensive Plan Goals, Objectives & Policies and Land Development Regulations for Florida." Chapter 4 in *Florida TOD Guidebook*. Prepared for Florida Department of Transportation. Available at www.fltod.com/model_policies.htm.

- This resource offers model comprehensive plan goals, objectives, and policies designed to advance transit and TOD planning (as well as model ordinance language to implement those policies).

Sustaining Places Best Practices Definitions and Scoring Matrix:

Godschalk, David, and David Rouse. 2015. *Sustaining Places: Best Practices For Comprehensive Plans*. PAS Report 578. Chicago: American Planning Association.

- Appendix B, "Best Practice Definitions," provides definitions for the 85 best practices identified by the *Sustaining Places* initiative task force.
- Appendix C, "Scoring Matrix," lists the six principles, two processes, and two attributes and their associated best practices in a matrix, allowing users to easily evaluate and self-score their plans.
- More information on the Comprehensive Plan Standards for Sustaining Places initiative is available at www.planning.org/sustainingplaces/compplanstandards/.

APPENDIX B: BEST PRACTICE DEFINITIONS

This appendix provides definitions of the best practices for the principles, processes, and attributes that comprise the comprehensive plan standards framework for sustaining places (see Chapter 2). These definitions are intended as a resource for communities seeking to understand the framework and how its individual components apply to their circumstances. They are organized into three sections: (1) Best Practices for Plan Principles, (2) Best Practices for Plan Processes, and (3) Best Practices for Plan Characteristics.

Comprehensive plans for sustaining places should endeavor to incorporate the full slate of best practices while allowing for each community's unique context, environment, and issues. By addressing and implementing all possible best practices, a community can set a path towards a high level of sustainability.

BEST PRACTICES FOR PLAN PRINCIPLES

1. Livable Built Environment. *Ensure that all elements of the built environment, including land use, transportation, housing, energy, and infrastructure, work together to provide sustainable, green places for living, working, and recreation, with a high quality of life.*

There are 11 recommended best practices for the first plan principle, Livable Built Environment:

1.1 Plan for multimodal transportation. A multimodal transportation system allows people to use a variety of transportation modes, including walking, biking, and other mobility devices (e.g., wheelchairs), as well as transit where possible. Such a system reduces dependence on automobiles and encourages more active forms of personal transportation, improving health outcomes and increasing the mobility of those who are unable or unwilling to drive (e.g., youth, persons with disabilities, the elderly). Fewer cars on the road also translates to reduced air pollution and greenhouse gas emissions with associated health and environmental benefits.

1.2 Plan for transit-oriented development. Transit-oriented development (TOD) is characterized by a concentration of higher-density mixed use development around transit stations and along transit lines, such that the location and the design of the development

encourage transit use and pedestrian activity. TOD allows communities to focus new residential and commercial development in areas that are well connected to public transit. This enables residents to more easily use transit service, which can reduce vehicle-miles traveled and fossil fuels consumed and associated pollution and greenhouse gas emissions. It can also reduce the need for personal automobile ownership, resulting in a decreased need for parking spaces and other automobile-oriented infrastructure.

1.3 Coordinate regional transportation investments with job clusters. Coordinating regional transportation systems and areas of high employment densities can foster both transportation efficiency and economic development. This is important for creating and improving access to employment opportunities, particularly for disadvantaged populations without easy access to personal automobiles.

1.4 Provide complete streets serving multiple functions. Complete streets are streets that are designed and operated with all users in mind—including motorists, pedestrians, bicyclists, and public transit riders (where applicable) of all ages and abilities—to support a multimodal transportation system. A complete street network is one that safely and conveniently accommodates all users and desired functions, though this does not mean that all modes or functions will be equally prioritized on any given street segment.

Streets that serve multiple functions can accommodate travel, social interaction, and commerce to provide for more vibrant neighborhoods and more livable communities.

- 1.5 Plan for mixed land-use patterns that are walkable and bikeable.** Mixed land-use patterns are characterized by residential and nonresidential land uses located in close proximity to one another. Mixing land uses and providing housing in close proximity to everyday destinations (e.g., shops, schools, civic places, workplaces) can increase walking and biking and reduce the need to make trips by automobile. Mixed land-use patterns should incorporate safe, convenient, accessible, and attractive design features (e.g., sidewalks, bike street furniture, bicycle facilities, street trees) to promote walking and biking.
- 1.6 Plan for infill development.** Infill development is characterized by development or redevelopment of undeveloped or underutilized parcels of land in otherwise built-up areas, which are usually served by or have ready access to existing infrastructure and services. Focusing development and redevelopment on infill sites takes advantage of this existing infrastructure while helping to steer development away from greenfield sites on the urban fringe, which are more expensive to serve with infrastructure and services.
- 1.7 Encourage design standards appropriate to the community context.** Design standards are specific criteria and requirements for the form and appearance of development within a neighborhood, corridor, special district, or jurisdiction as a whole. These standards serve to improve or protect both the function and aesthetic appeal of a community. Design standards typically address building placement, building massing and materials, and the location and appearance of elements (such as landscaping, signage, and street furniture). They can encourage development that is compatible with the community context and that enhances sense of place. While the design standards will not be specified in the comprehensive plan itself, the plan can establish the direction and objectives that detailed standards should achieve.
- 1.8 Provide accessible public facilities and spaces.** Public facilities play an important role in communities and they should be able to accommodate persons of all ages and abilities. Public facilities and spaces should be equitably distributed throughout the community.

They should be located and designed to be safe, served by different transportation modes, and accessible to visitors with mobility impairments.

- 1.9 Conserve and reuse historic resources.** Historic resources are buildings, sites, landmarks, or districts with exceptional value or quality for illustrating or interpreting the cultural heritage of a community. They can include resources eligible for listing on the National Register of Historic Places, a state inventory of historic resources in association with a program approved by the secretary of the interior, or a local inventory of historic resources in association with a program approved by a state program or directly by the secretary of the interior (in states without approved programs). It is important to address the conservation and reuse of historic resources due to their cultural and historic significance to a community and the role they play in enhancing a community's sense of place, economy (through tourism and other economic activity), and environment (by reducing the need to construct new buildings that consume land and resources).
- 1.10 Implement green building design and energy conservation.** Green building designs that meet the standards of the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) or similar rating system are energy and resource efficient, reduce waste and pollution, and improve occupant health and productivity. Energy conservation refers to measures that reduce energy consumption through energy efficiency or behavioral change. Together these approaches reduce energy costs and improve environmental quality and community health. They can be implemented through strategies such as code requirements, regulatory incentives, and investment programs (e.g., grants to homeowners for weatherization of their homes).
- 1.11 Discourage development in hazard zones.** A hazard zone is an area with a high potential for natural events, such as floods, high winds, landslides, earthquakes, and wildfires. Plans should discourage development in hazard zones, including any construction or site disturbance within an area of high risk relative to other areas within a jurisdiction. Hazards that occur within these zones are known to cause human casualties and damage to the built environment. Discouraging development in hazard zones protects the natural environment, people, and property.

2. Harmony with Nature. *Ensure that the contributions of natural resources to human well-being are explicitly recognized and valued and that maintaining their health is a primary objective.*

There are 10 recommended best practices for the second plan principle, Harmony with Nature:

2.1 Restore, connect, and protect natural habitats and sensitive lands. Natural habitats are areas or landscapes—such as wetlands, riparian corridors, and woodlands—inhabited by a species or community of species, and can include those designated as rare and endangered. Sensitive lands, including steep slopes and geographically unstable areas, contain natural features that are environmentally significant and easily disturbed by human activity. These resources provide important environmental benefits. Restoring degraded habitat can reestablish natural diversity and associated ecosystem services.

2.2 Plan for the provision and protection of green infrastructure. Green infrastructure is a strategically planned and managed network of green open spaces, including parks, greenways, and protected lands. Green infrastructure may also be defined as features that use natural means such as vegetation to capture, store, and infiltrate stormwater runoff, often in urban settings. This includes features such as bioswales, rain gardens, and green roofs. Green infrastructure provides a range of critical functions and ecosystem services to communities, such as wildlife habitat, stormwater management, and recreational opportunities.

2.3 Encourage development that respects natural topography. Sensitive natural topography includes features such as hillsides, ridges, steep slopes, or lowlands that can pose challenges to development. Taking these features into account in planning for private development and public infrastructure can reduce construction costs, minimize natural hazard risks from flooding or landslides, and mitigate the impacts of construction on natural resources, including soils, vegetation, and water systems.

2.4 Enact policies to reduce carbon footprints. The term “carbon footprint” is used to describe the amount of carbon dioxide and other greenhouse gases emitted by a given entity (such as an individual, company, or city) in a certain time frame. It provides a measure of the environmental impact of a particular lifestyle or operation, and encompasses both the direct consumption of

fossil fuels as well as indirect emissions associated with the manufacture and transport of all goods and services the entity consumes. Policies designed to reduce the carbon footprint benefit the environment and have associated benefits on air quality and health. Because these policies are often associated with energy conservation, they can also have positive economic benefits for local governments and community members.

2.5 Comply with state and local air quality standards. Air quality standards are limits on the quantity of pollutants in the air during a given period in a defined area. Under the Clean Air Act, the U.S. Environmental Protection Agency has established air quality standards for ground-level ozone, lead, particulate matter, carbon monoxide, sulfur dioxide, and nitrogen dioxide to protect public health and the environment and enforced by state and local governments. Pollutants may come from mobile sources (e.g., cars and trucks), area sources (e.g., small businesses), or point sources (e.g., power plants).

2.6 Encourage climate change adaptation. Adapting to climate change involves adjusting natural and human systems to projected impacts such as sea level rise and increased frequencies of extreme weather events as well as long-term shifts in precipitation levels, growing season length, and native vegetation and wildlife populations. Successful adaptation strategies reduce community vulnerability and minimize adverse effects on the environment, economy, and public health.

2.7 Provide for renewable energy use. Renewable energy sources, which are derived directly or indirectly from the sun or natural movements and mechanisms of the environment—including solar, wind, biomass, hydropower, ocean thermal, wave action, and tidal action—are local sources of energy that are naturally regenerated over a short timescale and do not diminish. Use of renewable energy reduces reliance on coal-fired energy plants and other sources of fossil fuels.

2.8 Provide for solid waste reduction. Solid waste is garbage or refuse resulting from human activities. It can include food scraps, yard waste, packaging materials, broken or discarded household items, and construction and demolition debris. Many common solid waste items—such as glass, aluminum and other metals, paper and cardboard, certain plastics, and food scraps and other organic materials—can be diverted from the waste stream and recycled into new products or composted.

- 2.9 Encourage water conservation and plan for a lasting water supply.** Reducing water use by buildings and landscapes through water conservation and planning for a lasting water supply are critical to a community's long-term sustainability, particularly in regions with limited precipitation or other sources of water. Access to ground or surface water sources sufficient for anticipated future water use levels and a well-maintained supply system to deliver this water to end users are important to ensure.
- 2.10 Protect and manage streams, watersheds, and floodplains.** A stream is a body of water flowing over the ground in a channel. A watershed is an area of land drained by a river, river system, or other body of water. A floodplain is an area of low-lying ground adjacent to a body of water that is susceptible to inundation. These resources have typically been extensively altered in urban environments—for example, by replacing streams with underground culverts or constructing buildings in the floodplain—negatively affecting the natural and beneficial functions they provide. Watershed management is important to protecting water supply, water quality, drainage, storm-water runoff and other functions at a watershed scale.
- 3. Resilient Economy.** *Ensure that the community is prepared to deal with both positive and negative changes in its economic health and to initiate sustainable urban development and redevelopment strategies that foster green business growth and build reliance on local assets.*
 There are seven recommended best practices for the third plan principle, Resilient Economy:
- 3.1 Provide the physical capacity for economic growth.** Economic growth is characterized by an increase in the amounts of goods and services that an economy is able to produce over time. Providing the physical capacity for economic growth means ensuring that adequate space will be available for commercial and industrial development and redevelopment for non-residential land uses. Communities need to plan for the necessary amount of land and structures appropriately built, sized, and located to support existing and future production of goods and services based on current and projected economic conditions. This could entail decline as well as growth in demand depending on market conditions and as certain economic sectors become obsolete.
- 3.2 Plan for a balanced land-use mix for fiscal sustainability.** A balanced land-use mix for fiscal sustainability is characterized by a pattern that includes both residential and nonresidential uses, such that the long-term cost of providing a desirable level of public services to residents, business owners, and visitors is closely matched to the tax or user-fee revenue generated by those uses.
- 3.3 Plan for transportation access to employment centers.** Plans should ensure that areas with high job density are accessible to employees via one or more travel modes (automobile, transit, bicycling, walking). More transportation modes serving the employment center offer employees a wider range of commuting options. This is important for improving access to employment opportunities, particularly among populations that may not have personal vehicles.
- 3.4 Promote green businesses and jobs.** A green business is any business offering environmentally friendly products and services through sustainable business models and practices. Green jobs are provided by agricultural, manufacturing, research and development, administrative, service, or other business activities that contribute substantially to preserving or restoring environmental quality. Green businesses and jobs may include, but are not limited to, those associated with industrial processes with closed-loop systems in which the wastes of one industry are the raw materials for another.
- 3.5 Encourage community-based economic development and revitalization.** Community-based economic development is development that promotes, supports, and invests in businesses that serve local needs and are compatible with the vision, character, and cultural values of the community. This approach encourages using local resources in ways that enhance economic opportunities while improving social conditions and supporting locally owned and produced goods and services. These activities foster connections and a sense of place, reduce the need for imports, and stimulate the local economy. This in turn can increase investment in and revitalization of downtowns, commercial areas, neighborhoods, and other place-based community resources.
- 3.6 Provide and maintain infrastructure capacity in line with growth or decline demands.** Keeping infrastructure capacity in line with demand involves ensuring that structures and networks are appropri-

ately sized to adequately serve existing and future development. This is important in balancing quality of service provision with costs to the local government. Infrastructure planning may include decommissioning or realigning infrastructure in neighborhoods experiencing protracted population decline—for example, to facilitate a transition from residential uses to green infrastructure, urban agriculture, or renewable energy production.

3.7 Plan for post-disaster economic recovery. Planning for post-disaster economic recovery before a disaster happens helps communities resume economic activities following damage or destruction by a natural or human-made disaster (e.g., hurricane, landslide, wildfire, earthquake, terrorist attack). Plans for post-disaster recovery are characterized by officially adopted policies and implementation tools put in place before or after an event to direct recovery after a disaster event has occurred.

4. Interwoven Equity. *Ensure fairness and equity in providing for the housing, services, health, safety, and livelihood needs of all citizens and groups.*

There are nine recommended best practices for Interwoven Equity, the fourth plan principle:

4.1 Provide a range of housing types. A range of housing types is characterized by the presence of residential units of different sizes, configurations, tenures, and price points located in buildings of different sizes, configurations, ages, and ownership structures. Providing a range of housing types accommodates varying lifestyle choices and affordability needs and makes it possible for households of different sizes and income levels to live in close proximity to one another.

4.2 Plan for a jobs/housing balance. A jobs/housing balance is characterized by a roughly equal number of jobs and housing units (households) within a commuter shed. A strong jobs/housing balance can also result in jobs that are better matched to the labor force living in the commuter shed, resulting in lower vehicle-miles traveled, improved worker productivity, and higher overall quality of life. When coordinated with multimodal transportation investments, it improves access to employment opportunities for disadvantaged populations.

4.3 Plan for the physical, environmental, and economic improvement of at-risk, distressed, and disadvantaged neighborhoods. At-risk neighborhoods are experiencing falling property values, high real estate

foreclosure rates, rapid depopulation, or physical deterioration. Distressed neighborhoods suffer from disinvestment and physical deterioration for many reasons, including (but not limited to) the existence of cheap land on the urban fringe, the financial burdens of maintaining an aging building stock, economic restructuring, land speculation, and the dissolution or relocation of anchor institutions. A disadvantaged neighborhood is a neighborhood in which residents have reduced access to resources and capital due to factors such as high levels of poverty and unemployment and low levels of educational attainment. These neighborhoods often exhibit high rates of both physical disorder (e.g., abandoned buildings, graffiti, vandalism, litter, disrepair) and social disorder (e.g., crime, violence, loitering, drinking and drug use). Such neighborhoods often need targeted interventions to prevent further decline and jump-start revitalization.

4.4 Plan for improved health and safety for at-risk populations. An at-risk population is characterized by vulnerability to health or safety impacts through factors such as race or ethnicity, socioeconomic status, geography, gender, age, behavior, or disability status. These populations may have additional needs before, during, and after a destabilizing event such as a natural or human-made disaster or period of extreme weather, or throughout an indefinite period of localized instability related to an economic downturn or a period of social turmoil. At-risk populations include children, the elderly, persons with disabilities, those living in institutionalized settings, those with limited English proficiency, and those who are transportation disadvantaged.

4.5 Provide accessible, quality public services, facilities, and health care to minority and low-income populations. A public service is a service performed for the benefit of the people who live in (and sometimes those who visit) the jurisdiction. A public facility is any building or property—such as a library, park, or community center—owned, leased, or funded by a public entity. Public services, facilities, and health care should be located so that all members of the public have safe and convenient transportation options to reach quality services and facilities that meet or exceed industry standards for service provision. Minority and low-income populations are often underserved by public services and facilities and health care providers.

4.6 Upgrade infrastructure and facilities in older and substandard areas. Infrastructure comprises the physical systems that allow societies and economies to function. These include water mains, storm and sanitary sewers, electrical grids, telecommunications facilities, and transportation facilities such as bridges, tunnels, and roadways. Upgrading is the process of improving these infrastructure and facilities through the addition or replacement of existing components with newer versions. An older area is a neighborhood, corridor, or district that has been developed and continuously occupied for multiple decades. A substandard area is a neighborhood, district, or corridor with infrastructure that fails to meet established standards. Targeting infrastructure in older and substandard areas provides a foundation for further community revitalization efforts and improves quality of life for residents in these neighborhoods.

4.7 Plan for workforce diversity and development. Workforce diversity is characterized by the employment of a wide variety of people in terms of age, cultural background, physical ability, race and ethnicity, religion, and gender identity. Workforce development is an economic development strategy that focuses on people rather than businesses; it attempts to enhance a region's economic stability and prosperity by developing jobs that match existing skills within the local workforce or training workers to meet the labor needs of local industries. Promoting workforce diversity and development is a vital piece of economic development efforts, making areas attractive to employers and enabling residents to find employment in their communities.

4.8 Protect vulnerable populations from natural hazards. A natural hazard is a natural event that threatens lives, property, and other assets. Natural hazards include floods, high wind events, landslides, earthquakes, and wildfires. Vulnerable neighborhoods face higher risks than others when disaster events occur and may require special interventions to weather those events. A population may be vulnerable for a variety of reasons, including location, socioeconomic status or access to resources, lack of leadership and organization, and lack of planning.

4.9 Promote environmental justice. Environmental justice is defined as the fair treatment and meaningful involvement of all people, regardless of race, color, national origin, or income, in the development, implementation, and enforcement of environmental laws,

regulations, and policies. Its goal is to provide all communities and persons across the nation with the same degree of protection from environmental and health hazards and equal access to decision making processes. This results in healthy environments for all in which to live, learn, and work.

5. Healthy Community. *Ensure that public health needs are recognized and addressed through provisions for healthy foods, physical activity, access to recreation, health care, environmental justice, and safe neighborhoods.*

There are seven recommended best practices for Healthy Community, the fifth plan principle:

5.1 Reduce exposure to toxins and pollutants in the natural and built environments. Toxins are poisonous substances capable of causing disease in living organisms. Pollutants are waste substances or forms of energy (noise, light, heat), often resulting from industrial processes, that can contaminate air, water, and soil and cause adverse changes in the environment. Examples include carbon monoxide and other gases as well as soot and particulate matter produced by fossil fuel combustion; toxic chemicals used or created in industrial processes; pesticides and excess nutrients from agricultural operations; and toxic gases released by paints or adhesives. Reducing exposure to toxins and pollutants improves the health of individuals and communities, with concomitant improvements in quality of life and health care cost savings.

5.2 Plan for increased public safety through the reduction of crime and injuries. Public safety involves prevention of and protection from events such as crimes or disasters that could bring danger, injury, or damage to the general public. Although addressing crime is typically considered a governmental responsibility (police, fire, and emergency services), it can also be reduced through environmental design using crime prevention through environmental design (CPTED) principles.

5.3 Plan for the mitigation and redevelopment of brownfields for productive uses. A brownfield is defined by the federal government as any abandoned, idled, or underused real property where expansion or redevelopment is complicated by the presence or potential presence of environmental contamination. Redevelopment of these sites requires an environmental assessment to determine the extent of con-

tamination and to develop remediation strategies. The feasibility of site cleanup, market forces, and other factors may help define appropriate reuse options, which range from open space to mixed use development. Reusing brownfield sites returns underutilized land to productive use and reduces pressure to develop greenfield sites.

5.4 Plan for physical activity and healthy lifestyles. A healthy lifestyle is characterized by individual practices and behavioral choices that enhance health and wellbeing. Barriers to the design of the physical environment can influence rates of physical activity and health benefits. Active transportation facilities (e.g., sidewalks and bike lanes) and accessible, equitably distributed recreational opportunities support physical activity and healthy lifestyles.

5.5 Provide accessible parks, recreation facilities, greenways and open space near all neighborhoods. Parks are areas of land—often in a natural state or improved with facilities for rest and recreation—set aside for the public’s use and enjoyment. Greenways are strips of undeveloped land that provide corridors for environmental and recreational use and connect areas of open space. These facilities offer a range of benefits to residents, including opportunities for increased physical activity. The proximity of parks to neighborhoods supports increased physical activity among residents; however, social and environmental impediments such as crime, unsafe pedestrian conditions, and noxious land uses may decrease accessibility and subsequent use of these facilities. Plans should ensure that the type of park and its function and design are appropriate for its locational context.

5.6 Plan for access to healthy, locally grown foods for all neighborhoods. A lack of access to fresh, healthy foods contributes to obesity and negative health outcomes. In many urban areas, residents face difficulties in buying affordable or good-quality fresh food, a situation commonly referred to as a “food desert.” Healthy foods include those that are fresh or minimally processed, naturally dense in nutrients, and low in fat, sodium, and cholesterol. Locally grown goods are those produced in close proximity to consumers in terms of both geographic distance and the supply chain. Though there is no standard definition of locally grown, sources can range from backyards and community gardens to farms within the region or state.

5.7 Plan for equitable access to health care providers, schools, public safety facilities, and arts and cultural facilities. Equitable access ensures services and facilities are reachable by all persons, regardless of social or economic background. Healthcare providers are those individuals, institutions, or agencies that provide healthcare services to consumers. Schools are institutions that provide education or instruction. Public safety facilities provide safety and emergency services to a community, including police and fire protection. Arts and cultural facilities provide programs and activities related to the arts and culture, including performing arts centers, concert halls, museums, galleries, and other related facilities.

6. Responsible Regionalism. *Ensure that all local proposals account for, connect with, and support the plans of adjacent jurisdictions and the surrounding region.*

There are nine recommended best practices for Responsible Regionalism, the sixth and final plan principle:

6.1 Coordinate local land-use plans with regional transportation investments. A local land-use plan is an officially adopted long-range comprehensive or sub-area (i.e., a neighborhood, corridor, or district) plan describing or depicting desirable future uses of land within a jurisdiction. Regional transportation investments are any projects listed in a transportation improvement program intended to improve a transportation network serving a multi-jurisdictional area, often included in metropolitan planning organization plans. These projects include investments in highways and streets, public transit, and pedestrian and bicycle systems. Coordinating the two ensures that local land-use decisions take advantage of regional transportation networks where possible to improve mobility and access for residents.

6.2 Coordinate local and regional housing plan goals. A regional housing plan is any officially adopted plan assessing current housing conditions and describing or depicting desirable future housing conditions across a multijurisdictional area. If applicable, these plans include state-mandated regional “fair share” plans establishing target affordable housing unit allocations among constituent jurisdictions. Local communities should provide for affordable housing in a manner consistent with the needs and targets defined in regional housing plans.

- 6.3 Coordinate local open space plans with regional green infrastructure plans.** A local open space plan is any officially adopted functional plan or comprehensive plan element describing or depicting desirable future locations or conditions for open space within a local jurisdiction. A regional green infrastructure plan is any officially adopted functional plan or comprehensive plan element describing or depicting desirable future locations or conditions for parks, greenways, protected lands, and other types of green infrastructure within a multijurisdictional area. Coordinating local open space plans with regional green infrastructure plans can maximize both the ecological and public benefits that green infrastructure provides and can help leverage investment in parks, greenways, trails, and other green infrastructure projects.
- 6.4 Delineate designated growth areas that are served by transit.** A designated growth area is an area delineated in an officially adopted local or regional comprehensive plan where higher density development is permitted or encouraged and urban services—including public transportation (where feasible)—are (or are scheduled to be) available. The purpose of a designated growth area is to accommodate and focus projected future growth (typically over a 20-year timeframe) within a municipality, county, or region through a compact, resource-efficient pattern of development. Ensuring that new growth areas are served by transit improves residents' access and mobility and helps reduce dependence on personal automobiles for travel throughout the region.
- 6.5 Promote regional cooperation and sharing of resources.** Regional cooperation and sharing of resources covers any situation where multiple jurisdictions coordinate the provision of public services and facilities. This includes instances where separate jurisdictions share equipment or facilities, where jurisdictions consolidate service or facility provision, and where jurisdictions share a tax base. The latter is a revenue-sharing arrangement whereby local jurisdictions share tax proceeds from new development for the purposes of alleviating economic disparities among constituent jurisdictions and/or financing region-serving infrastructure and facilities. Exploring opportunities for regional cooperation may allow for improved efficiency and cost savings in local government operations.
- 6.6 Enhance connections between local activity centers and regional destinations.** A local activity center is a node containing a high concentration of employment and commerce. A regional destination is a location that is responsible for a high proportion of trip ends within a regional transportation network, such as a job cluster, a major shopping or cultural center (e.g., large performance art venues and museums) or district, or a major park or recreational facility. A connection between a local activity center and a regional destination may be one or more surface streets, grade-separated highways, off-road trails, or transit corridors. Enhancing connections makes it easier to residents to move throughout the region to access employment opportunities, services, and recreational amenities.
- 6.7 Coordinate local and regional population and economic projections.** A population projection is an estimate of the future population for a particular jurisdiction or multi-jurisdictional area. An economic projection is an estimate of future economic conditions (e.g., employment by industry or sector, personal income, public revenue) for a particular jurisdiction or multijurisdictional area. Common time horizons for population and economic projections are 20 to 30 years. Coordinating local and regional projections minimizes the risk of planning cross purposes as the result of inconsistent data.
- 6.8 Include regional development visions and plans in local planning scenarios.** A regional development vision or plan is a description or depiction of one or more potential future development patterns across a multijurisdictional area, based on a set or sets of policy, demographic, and economic assumptions. A local planning scenario is a description or depiction of a potential future development pattern for a jurisdiction, based on a set of policy, demographic, and economic assumptions. While many scenario planning efforts present preferred scenarios, the real value of such planning is to allow participants to consider alternative ways of realizing a collective vision, including different outcomes that may be likely given the difficulty of accurately predicting certain demographic and economic trends. Considering regional development visions and plans may introduce new opportunities for local development or intergovernmental collaboration.

6.9 Encourage consistency between local capital improvement programs and regional infrastructure priorities. A local capital improvement program is an officially adopted plan describing or depicting capital projects that will be funded within a local jurisdiction during a multiyear (usually five-year) time horizon. Regional infrastructure priorities and funding are the capital projects and monetary resources designated in officially adopted plans or investment policies that identify regional infrastructure facility needs throughout a multijurisdictional area. Coordinating the two helps ensure that local investments are in line with regional visions and mobility goals.

BEST PRACTICES FOR PLAN PROCESSES

7. Authentic Participation. *Ensure that the planning process actively involves all segments of the community in analyzing issues, generating visions, developing plans, and monitoring outcomes.*

There are seven recommended best practices for Authentic Participation:

7.1 Engage stakeholders at all stages of the planning process. Engaging stakeholders throughout the planning process—from creating a community vision to defining goals, principles, objectives, and action steps, as well as in implementation and evaluation—is important to ensure that the plan accurately reflects community values and addresses community priority and needs. In addition, engagement builds public understanding and ownership of the adopted plan, leading to more effective implementation.

7.2 Seek diverse participation in the planning process. A robust comprehensive planning process engages a wide range of participants across generations, ethnic groups, and income ranges. Especially important is reaching out to groups that might not always have a voice in community governance, including representatives of disadvantaged and minority communities.

7.3 Promote leadership development in disadvantaged communities through the planning process. Leaders and respected members of disadvantaged communities can act as important contacts and liaisons for planners in order to engage and empower community members throughout the planning process. Participation in the process can encourage

development of emerging leaders, especially from within communities that may not have participated in planning previously.

7.4 Develop alternative scenarios of the future. Scenario planning is a technique in which alternative visions of the future are developed based upon different policy frameworks and development patterns, allowing communities to envision the consequences of “business as usual” as compared to changed development strategies. Comparing scenarios helps to frame choices and inform community decision making during the planning process.

7.5 Provide ongoing and understandable information for all participants. Information available in multiple, easily accessible formats and languages is key to communicating with all constituents, including non-English speakers. Such communication may involve translating professional terms into more common lay vocabulary.

7.6 Use a variety of communications channels to inform and involve the community. Communications channels that can be used throughout the planning process include traditional media, social media, and Internet-based platforms. Different constituencies may prefer to engage through different channels.

7.7 Continue to engage the public after the comprehensive plan is adopted. Stakeholder engagement should not end with the adoption of the comprehensive plan. An effective planning process continues to engage stakeholders during the implementing, updating, and amending of the plan, so that the public remains involved with ongoing proposals and decisions.

8. Accountable Implementation. *Ensure that responsibilities for carrying out the plan are clearly stated, along with metrics for evaluating progress in achieving desired outcomes.* There are eight recommended best practices for Accountable Implementation:

8.1 Indicate specific actions for implementation. Accountable implementation begins with identification of recommended policy, regulatory, investment, and programmatic actions that indicate the responsible agency, recommended timeframe, and possible sources of funding. These actions are often provided in a matrix or similar format in the implementation section of the comprehensive plan.

- 8.2 Connect plan implementation to the capital planning process.** Capital improvement plans guide and prioritize investments in facilities and infrastructure. A comprehensive plan can be connected to the capital planning process by ensuring that comprehensive plan goals and recommended action strategies align with capital improvement plan priorities and programs.
- 8.3 Connect plan implementation to the annual budgeting process.** Plan objectives linked to budget categories and the timeframe of the community’s annual budgeting process facilitates decision making by elected and appointed officials concerning desired planning outcomes.
- 8.4 Establish interagency and organizational cooperation.** Coordinating the activities and schedules of internal departments and external agencies and organizations increases implementation effectiveness and can leverage resources for achieving local and regional planning goals.
- 8.5 Identify funding sources for plan implementation.** Coordinating public and private funding sources—including federal, state, and foundation grant programs—facilitates implementation of priority plan items. A comprehensive plan that has consistent, clearly presented goals, objectives, and action priorities, backed by demonstrated community support, puts the community in a strong position to secure external funding for implementation.
- 8.6 Establish implementation indicators, benchmarks, and targets.** Indicators allow quantitative measurement of achievement of social, environmental, and economic goals and objectives. Benchmarks are measurements of existing conditions against which progress towards plan goals can be measured. Targets are aspirational levels of achievement for a specific goal or objective often tied to a specific timeframe. Establishing these metrics allow for the monitoring of progress in plan implementation.
- 8.7 Regularly evaluate and report on implementation progress.** A process for evaluating and reporting plan implementation status and progress to both the public and elected officials following adoption ensures accountability and keeps the community informed about plan implementation progress. Such evaluation is typically done on an annual basis.
- 8.8 Adjust the plan as necessary based on evaluation.** A process for adjusting plan goals, strategies, and priorities over time as conditions change or targets are not

met keeps the plan current and in line with present conditions. This process should be tied to evaluation of and reporting on implementation progress.

BEST PRACTICES FOR PLAN ATTRIBUTES

- 9. Consistent Content.** *Ensure that the plan contains a consistent set of visions, goals, policies, objectives, and actions that are based on evidence about community conditions, major issues, and impacts.*
 There are eight recommended best practices for Consistent Content:
- 9.1 Assess strengths, weaknesses, opportunities, and threats.** A technique developed for strategic planning processes, a strengths, weaknesses, opportunities, and threats (SWOT) analysis allows for the identification of the major issues facing the community internally (strengths and weaknesses) and externally (opportunities and threats). A SWOT analysis can inform community discussions and assessment of the impacts of forecasted changes, their planning implications, and appropriate responses.
- 9.2 Establish a fact base.** Comprehensive planning should rest on a base of facts—an evidence-based description and analysis of current conditions and the best possible projection of future trends, such as land use, development, environmental factors, the economy, and population changes.
- 9.3 Develop a vision of the future.** A vision is a statement and image of the community’s desired future in terms of its physical, social, and economic conditions. Typically covering a 20-year timeframe, the vision sets the overall framework for the plan’s goals, objectives, and policies and informs stakeholders of what the plan seeks to achieve.
- 9.4 Set goals in support of the vision.** Goals are statements of community aspirations for achieving the vision. They are implemented through public programs, investments, and initiatives.
- 9.5 Set objectives in support of the goals.** Objectives are measurable targets to be met through community action in carrying out the goals.
- 9.6 Set policies to guide decision making.** Policies are the specification of principles guiding public and private actions to achieve the goals and objectives presented in the plan.

- 9.7 Define actions to carry out the plan.** The implementation section of the plan identifies commitments to carry out the plan, including actions, timeframes, responsibilities, funding sources, and provisions for plan monitoring and updating.
- 9.8 Use clear and compelling features to present the plan.** Maps, tables, graphics, and summaries should be used in addition to text to convey the information, intent, and relationships in the plan. They are important in communicating the key features of the plan and making the ideas contained therein interesting and engaging to residents.
- 10. Coordinated Characteristics.** *Ensure that the plan includes creative and innovative strategies and recommendations and coordinates them internally with each other, vertically with federal and state requirements, and horizontally with plans of adjacent jurisdictions.*
There are nine recommended best practices for Coordinated Characteristics:
- 10.1 Be comprehensive in the plan's coverage.** Comprehensive means covering a range of traditional planning topics (e.g., land use, transportation, housing, natural resources, economic development, community facilities, natural hazards), as well as topics that address contemporary planning needs (e.g., public health, climate change, social equity, local food, green infrastructure, energy). It is important to address the interrelationships among these various topics.
- 10.2 Integrate the plan with other local plans and programs.** An integrated plan includes recommendations from related functional plans and programs (e.g., hazard mitigation, climate adaptation, housing, transportation). It serves as the umbrella for coordinating recommendations from standalone plans into a systems perspective.
- 10.3 Be innovative in the plan's approach.** An innovative plan contains creative strategies for dealing with community change, uncertainty, and development needs. It is open to proposing new approaches and solutions to community problems.
- 10.4 Be persuasive in the plan's communications.** A persuasive plan communicates key principles and ideas in a readable and attractive manner in order to inspire, inform, and engage readers. It uses up-to-date visual imagery to highlight and support its recommendations.
- 10.5 Be consistent across plan components.** A consistent plan frames proposals as sets of mutually reinforcing actions in a systems approach linking the plan with public programs and regulations.
- 10.6 Coordinate with the plans of other jurisdictions and levels of government.** A coordinated plan integrates horizontally with plans and forecasts of adjacent jurisdictions and vertically with federal, state, and regional plans.
- 10.7 Comply with applicable laws and mandates.** A compliant plan meets requirements of mandates and laws concerning preparing, adopting, and implementing comprehensive plans.
- 10.8 Be transparent in the plan's substance.** A transparent plan clearly articulates the rationale for all goals, objectives, policies, actions, and key plan maps. It explains the “what, how, and why” of each recommendation.
- 10.9 Use plan formats that go beyond paper.** A plan that goes beyond paper is produced in a web-based format and/or other accessible, user-friendly formats in addition to a standard printed document. Planning websites can be used both to engage and to inform citizens and different constituencies about the plan.

APPENDIX C: SCORING MATRIX

BEST PRACTICES FOR PLAN PRINCIPLES	N/A	0	1	2	3	Source
1. LIVABLE BUILT ENVIRONMENT—Ensure that all elements of the built environment, including land use, transportation, housing, energy, and infrastructure, work together to provide sustainable, green places for living, working, and recreation, with a high quality of life.						
1.1. Plan for multimodal transportation.						
1.2. Plan for transit-oriented development.						
1.3. Coordinate regional transportation investments with job clusters.						
1.4. Provide complete streets serving multiple functions.						
1.5. Plan for mixed land-use patterns that are walkable and bikeable.						
1.6. Plan for infill development.						
1.7. Encourage design standards appropriate to the community context.						
1.8. Provide accessible public facilities and spaces.						
1.9. Conserve and reuse historic resources.						
1.10. Implement green building design and energy conservation.						
1.11. Discourage development in hazard zones.						
TOTAL SCORE: 1. LIVABLE BUILT ENVIRONMENT						
2. HARMONY WITH NATURE—Ensure that the contributions of natural resources to human well-being are explicitly recognized and valued and that maintaining their health is a primary objective.						
2.1. Restore, connect, and protect natural habitats and sensitive lands.						
2.2. Plan for the provision and protection of green infrastructure.						
2.3. Encourage development that respects natural topography.						
2.4. Enact policies to reduce carbon footprints.						
2.5. Comply with state and local air quality standards.						
2.6. Encourage climate change adaptation.						
2.7. Provide for renewable energy use.						
2.8. Provide for solid waste reduction.						
2.9. Encourage water conservation and plan for a lasting water supply.						
2.10. Protect and manage streams, watersheds, and floodplains.						
TOTAL SCORE: 2. HARMONY WITH NATURE						

N/A = Not applicable; 0 = Not present; 1 = Low achievement; 2 = Medium Achievement; 3 = High Achievement; Source (indicate in the plan where each best practice is discussed)

APPENDIX C: SCORING MATRIX

BEST PRACTICES FOR PLAN PRINCIPLES	N/A	0	1	2	3	Source
3. RESILIENT ECONOMY—Ensure that the community is prepared to deal with both positive and negative changes in its economic health and to initiate sustainable development and redevelopment strategies that foster green business growth and build reliance on local assets.						
3.1. Provide the physical capacity for economic growth.						
3.2. Plan for a balanced land-use mix for fiscal sustainability.						
3.3. Plan for transportation access to employment centers.						
3.4. Promote green businesses and jobs.						
3.5. Encourage community-based economic development and revitalization.						
3.6. Provide and maintain infrastructure capacity in line with growth or decline demands.						
3.7. Plan for post-disaster economic recovery.						
TOTAL SCORE: 3. RESILIENT ECONOMY)						
4. INTERWOVEN EQUITY—Ensure fairness and equity in providing for the housing, services, health, safety, and livelihood needs of all citizens and groups.						
4.1. Provide a range of housing types.						
4.2. Plan for a jobs/housing balance.						
4.3. Plan for the physical, environmental, and economic improvement of at-risk, distressed, and disadvantaged neighborhoods.						
4.4. Plan for improved health and safety for at-risk populations.						
4.5. Provide accessible, quality public services, facilities, and health care to minority and low-income populations.						
4.6. Upgrade infrastructure and facilities in older and substandard areas.						
4.7. Plan for workforce diversity and development.						
4.8. Protect vulnerable populations from natural hazards.						
4.9. Promote environmental justice.						
TOTAL SCORE: 4. INTERWOVEN EQUITY						

N/A = Not applicable; 0 = Not present; 1 = Low achievement; 2 = Medium Achievement; 3 = High Achievement; Source (indicate in the plan where each best practice is discussed)

APPENDIX C: SCORING MATRIX

BEST PRACTICES FOR PLAN PRINCIPLES	N/A	0	1	2	3	Source
5. HEALTHY COMMUNITY —Ensure that public health needs are recognized and addressed through provisions for healthy foods, physical activity, access to recreation, health care, environmental justice, and safe neighborhoods.						
5.1. Reduce exposure to toxins and pollutants in the natural and built environment.						
5.2. Plan for increased public safety through reduction of crime and injuries.						
5.3. Plan for the mitigation and redevelopment of brownfields for productive uses.						
5.4. Plan for physical activity and healthy lifestyles.						
5.5. Provide accessible parks, recreation facilities, greenways and open space near all neighborhoods.						
5.6. Plan for access to healthy, locally-grown foods for all neighborhoods.						
5.7. Plan for equitable access to health care providers, schools, public safety facilities, and arts and cultural facilities.						
TOTAL SCORE: 5. HEALTHY COMMUNITY						
6. RESPONSIBLE REGIONALISM —Ensure that all local proposals account for, connect with, and support the plans of adjacent jurisdictions and the surrounding region.						
6.1. Coordinate local land-use plans with regional transportation investments.						
6.2. Coordinate local and regional housing plan goals.						
6.3. Coordinate local open space plans with with regional green infrastructure plans.						
6.4. Delineate designated growth areas that are served by transit.						
6.5. Promote regional cooperation and sharing of resources.						
6.6. Enhance connections between local activity centers and regional destinations.						
6.7. Coordinate local and regional population and economic projections.						
6.8. Include regional development visions and plans in local planning scenarios.						
6.9. Encourage consistency between local capital improvement programs and regional infrastructure priorities.						
TOTAL SCORE: 6. RESPONSIBLE REGIONALISM						

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APPENDIX C: SCORING MATRIX

BEST PRACTICES FOR PLAN PROCESSES	N/A	0	1	2	3	Source
7. AUTHENTIC PARTICIPATION—Ensure that the planning process actively involves all segments of the community in analyzing issues, generating visions, developing plans, and monitoring outcomes.						
7.1. Engage stakeholders at all stages of the planning process.						
7.2. Seek diverse participation in the planning process.						
7.3. Promote leadership development in disadvantaged communities during the planning process.						
7.4. Develop alternative scenarios of the future.						
7.5. Provide ongoing and understandable information for all participants.						
7.6. Use a variety of communication channels to inform and involve the community.						
7.7. Continue to engage the public after the comprehensive plan is adopted.						
TOTAL SCORE: 7. AUTHENTIC PARTICIPATION						
8. ACCOUNTABLE IMPLEMENTATION—Ensure that responsibilities for carrying out the plan are clearly stated, along with metrics for evaluating progress in achieving desired outcomes.						
8.1. Indicate specific actions for implementation.						
8.2. Connect plan implementation to the capital planning process.						
8.3. Connect plan implementation to the annual budgeting process.						
8.4. Establish interagency and organizational cooperation.						
8.5. Identify funding sources for plan implementation.						
8.6. Establish implementation benchmarks, indicators, and targets.						
8.7. Regularly evaluate and report on implementation progress.						
8.8. Adjust the plan as necessary based on the evaluation.						
TOTAL SCORE: 8. ACCOUNTABLE IMPLEMENTATION						

N/A = Not applicable; 0 = Not present; 1 = Low achievement; 2 = Medium Achievement; 3 = High Achievement; Source (indicate in the plan where each best practice is discussed)

APPENDIX C: SCORING MATRIX

BEST PRACTICES FOR PLAN ATTRIBUTES	N/A	0	1	2	3	Source
9. CONSISTENT CONTENT —Ensure that the plan contains a consistent set of vision, goals, policies, objectives, and actions that are based on evidence about community conditions, major issues, and impacts.						
9.1. Assess strengths, weaknesses, opportunities, and threats.						
9.2. Establish a fact base.						
9.3. Develop a vision of the future.						
9.4. Set goals in support of the vision.						
9.5. Set objectives in support of the goals.						
9.6. Set policies to guide decision-making.						
9.7. Define actions to carry out the plan.						
9.8. Use clear and compelling features to present the plan.						
TOTAL SCORE: 9. CONSISTENT CONTENT						
10. COORDINATED CHARACTERISTICS —Ensure that the plan includes creative and innovative strategies and recommendations and coordinates them internally with each other, vertically with federal and state requirements, and horizontally with plans of adjacent jurisdictions.						
10.1. Be comprehensive in the plan’s coverage.						
10.2. Integrate the plan with other local plans and programs.						
10.3. Be innovative in the plan’s approach.						
10.4. Be persuasive in the plan’s communications.						
10.5. Be consistent across plan components.						
10.6. Coordinate with the plans of other jurisdictions and levels of government.						
10.7. Comply with applicable laws and mandates.						
10.8. Be transparent in the plan’s substance.						
10.9. Use plan formats that go beyond paper.						
TOTAL SCORE: 10. COORDINATED CHARACTERISTICS						

N/A = Not applicable; 0 = Not present; 1 = Low achievement; 2 = Medium Achievement; 3 = High Achievement; Source (indicate in the plan where each best practice is discussed)

APPENDIX C: SCORING MATRIX

TOTAL SCORES		NOTES
PRINCIPLES		
1. LIVABLE BUILT ENVIRONMENT		
2. HARMONY WITH NATURE		
3. RESILIENT ECONOMY		
4. INTERWOVEN EQUITY		
5. HEALTHY COMMUNITY		
6. RESPONSIBLE REGIONALISM		
I. TOTAL PRINCIPLES SCORE (ADD 1–6)		
PROCESSES		
7. AUTHENTIC PARTICIPATION		
8. ACCOUNTABLE IMPLEMENTATION		
II. TOTAL PROCESSES SCORE (ADD 7 AND 8)		
ATTRIBUTES		
9. CONSISTENT CONTENT		
10. COORDINATED CHARACTERISTICS		
III. TOTAL ATTRIBUTES SCORE (ADD 9 AND 10)		
TOTAL PLAN SCORE (ADD I, II, AND III)		
TOTAL POINTS AVAILABLE		
<i>Count the number of applicable practices and multiply by 3. The maximum is 255 points (if all practices are applicable).</i>		
PLAN SCORE PERCENTAGE		
<i>(Total Plan Score/Total Points Available)</i>		

Level of Achievement (based on Plan Score Percentage)

Designated: 70–79%

Silver: 80–89%

Gold: 90–100%