## SMART CITIES 101 RESOURCES

General Smart City Resources:
- **Smart Cities Council Resources** - includes Smart Cities Readiness Guide, Financing Guide, Open Data Guide, Apps Gallery, and eBook.
- **National Institute of Standards and Technology (NIST) Global City Teams Challenge to Create Smart Cities** (Round 2 of the Smart America Challenges) – to help communities world-wide work together to manage resources and improve quality of life through networked technologies.
- Brookings - **5 Steps Cities Must Take to Get Smart** and **Getting Smarter about Smart Cities**
- **IEEE Smart Cities** - assists municipalities in managing this transition to a Smart City, which includes smart buildings, living, transportation, energy, communications, networks, etc.
- **Anatomy of a Smart City** - looks into drivers, how concepts and projects differ in the developing cities, and technologies and systems needed to make Smart Cities a reality.

Smart City Initiatives in the US:
- **5 US Cities Using Technology to Become Smart and Connected** – Article in Forbes
- **The 10 Smartest Cities in North America** – Article in Fast Company
- **Smart City San Diego** – driving the clean energy revolution, in part, by establishing itself as a global leader in the CleanTech economy.
- **City of Philadelphia Office of Innovation and Technology** – IT Governance, innovation management, smart infrastructure, etc.
- **City of Chicago Department of Innovation and Technology** - Technology Plan (next-gen infrastructure, smart communities, effective govt, etc.), Smart Chicago Collaborative (civic collaborative), and **Chicago's SmartData Platform** (Open Source Municipal Analytics via Harvard)
- **City of San Jose Smart City Demonstration Platform with Intel** – installed a network of sensors to monitor air, noise pollution and traffic flow to inform improvements air quality, transportation efficiency, environmental sustainability, health, etc.
- **Portland IBM Smarter City** - developed an interactive model of the relationships of the city's core systems (economy, housing, education, public safety, transportation, healthcare/wellness, government services and utilities) that supported development of the City's master plan.
- **IBM Smarter Cities Challenge Boston Report** - information related to transportation trends and options to reduce traffic congestion and generate new ways to monitor levels of GHG emissions.
- **LocalData.com** real-time street-level mapping platform for decision-making (used by MAPC)
- **Regional Innovative Tech in VA** - identifies industry priorities and niche opportunities by region.

University Resources:
- **Data Smart City Solutions** – An initiative by the Ash Center at Harvard Kennedy School and powered by Bloomberg Philanthropies.
- **The Responsive City** - By Stephen Goldsmith and Susan Crawford – "…the ultimate resource for public officials, government staff, and civic leaders to understand how to leverage new technologies and data platforms to fulfill the promise of effective and efficient local govt."
- **MIT City Science/Media Lab Initiative** –Leveraging advances in data analysis, sensor technologies, and urban experiments to create new approaches to urban design and planning.
- **Boston University Smart Cities Cloud Platform** - will develop and implement smart-city services to improve the quality of urban life. Partners include MAPC and Boston Region MPO.
- **Boston University Smart Cities Research Highlights** – projects include smart infrastructure, Communications, Computing, Energy and Buildings, Environment, Healthcare, and Security.

- [San Francisco State University I-SEEED](#) - Creates IT solutions for pressing economic, educational, and environmental health problems.
- [Columbia University Center for Smart Cities](#) – detects and counteracts problems with aging infrastructure, calculates and communicates optimal transportation routes in congestion, etc.
- [NYU Center for Urban Science and Progress (CUSP)](#) - uses urban informatics data to create understanding and solutions for cities to be more productive, livable, equitable, and resilient.

European Smart City Initiatives:
- [The 10 Smartest Cities in Europe](#) – Article in Fast Company
- [Smart Cities](#) – an innovation network between governments and academic partners in the North Sea leading to excellence in the development and take-up of e-services.
- [European Smart Cities Platform](#) – provides a smart cities model and profiles, ranks and benchmarks European cities.
- [European Commission's Innovation Partnership on Smart Cities and Communities](#) - brings together cities, industry and citizens to improve livability with sustainable integrated solutions.

Neighborhood Scale Innovation Initiatives:
- [The Rise of Innovation Districts](#) by Bruce Katz and Julie Wagner
- [Boston Innovation District](#) - an initiative to transform the South Boston waterfront into an urban environment that fosters innovation, collaboration, and entrepreneurship.
- [3 Types of Thriving Innovation Districts in America](#) – highlights Kendall Square in Cambridge, MA; South Lake Union in Seattle, WA; Research Triangle Park in NC
- [EcoDistricts](#) – advancing district scale sustainability in the performance areas of equitable development, health and well-being, community identity, energy, access and mobility, etc.
- [2030 Districts](#) - 2030 Districts are designated urban areas committed to meeting the energy, water, and transportation emissions reduction targets of the 2030 Challenge for Planning.

Innovation Technology Resources:
- [InnovateWashington.org](#) - Tireless champions for entrepreneurs and companies with transcendent ideas. First focus is clean energy and then aerospace, life sciences, etc.
- [Public Technology Institute](#) - supports local government executives and elected officials through research, education, executive-level consulting services and national recognition programs.
- [GovTech.com](#) - is the online portal to *Government Technology,* a magazine covering information technology's role in state and local governments.
- [Information Technology and Innovation Institute](#) - a non-partisan a think tank to formulate and promote public policies to advance technological innovation and productivity.
- [Center for Innovative Technology](#) – creates technology-based economic development strategies to accelerate innovation, imagination and the next generation of technology and companies.
- [Brookings Center for Technology Innovation](#) - delivering research that impacts public debate and policymaking in the arena of U.S. and global technology innovation.
- [Code for America](#) – believes govt can work for the people by the people in the 21st century. They build open source technology to make govt simple, effective and easy to use.

Other:
- [National Building Museum's Intelligent Cities Initiative and Book](#) – *'What makes a City Intelligent? You Do.'* The Initiative investigates what connects you to your home, neighborhood and community.