Global Ambition – Local Action: GA–L.A. Initiative
Seema D. Iyer, PhD

#BaltimoreDataDay
#SDGBaltimore
#VitalSigns16
History of BNIA-JFI

• Advanced information systems with integrated and recurrently updated information on neighborhood conditions in their cities

• “Democratization of Data” Overcome the resistance of local public agencies to sharing data

• Baltimore one of the first cities
  • Now 36 partners

• Moved to the Jacob France Institute in 2007

LA Partner—Sol Price Center at USC
Community Based Indicators

• Neighborhood context influences how activities and policies take hold

• Bits of information that, when combined, generate a picture of what is happening in a local system

• They provide insight into and ongoing monitoring of the overall direction of a community

Rhonda Phillips, Community Indicators 2003
Vital Signs, 2000-2010

Chapters

• US Census & American Community Survey
• Housing & Community Development
• Children and Family Health & Wellbeing
• Crime and Safety
• Workforce & Economic Development
• Sanitation
• Urban Environment & Transit
• Education & Youth
• Neighborhood Action & Sense of Community
Development of Sustainability Section

• 2009 – Baltimore City adopted the Baltimore Sustainability Plan (29 goals across 7 topics)
  – Cleanliness, Pollution Prevention, Resource Conservation, Greening, Transportation, Education and Awareness, Green Economy
  – Vital Signs Indicators included into the Annual Sustainability report

• 2011 – HUD Sustainable Communities Regional Planning Grant
  – 6 federal principles of livability
  – Baltimore added 7th – protection of waters in the Chesapeake Bay

• Movement by residents/communities to sustainable behaviors
  – Increase in public transit, tree plantings, use of public and private space, and reducing energy use
Sustainability

Vital Signs 11-16

- Percent of Population (Over the age of 18) Who are Registered to Vote
- Percent Population (Over the age of 18) Who Voted in the General Election
- Rate of Dirty Streets and Alleys Reports per 1,000 Residents
- Rate of Clogged Storm Drain Reports per 1,000 Residents
- Percent of Population that Drove Alone to Work
- Percent of Population that Carpool to Work
- Percent of Population that Uses Public Transportation to Get to Work
- Percent of Population that Walks to Work
- Percent of Employed Population with Travel Time to Work of 0-14 Minutes
- Percent of Employed Population with Travel Time to Work of 15-29 Minutes
- Percent of Employed Population with Travel Time to Work of 30-44 Minutes
- Percent of Employed Population with Travel Time to Work of 45 Minutes and Over
- Percent of Area Covered by Trees
- Number of Community Managed Open Spaces
- Median Daily Water Consumption
- Percent of Residences Heated by Utility Gas
- Percent of Residences Heated by Electricity
- Percent of Households with No Vehicles Available
- Percent of Homes Weatherized
- Walk Score
Arts & Culture

Vital Signs 11-16

• Number of Persons with Library Cards per 1,000 Residents
• Number of Event Permits Requested per 1,000 Residents
• Public Art per 1,000 Residents
• Number of Businesses that are Arts-Related per 1,000 Residents
• Total Employment in Arts-Related Businesses
• Rate of Businesses in the Creative Economy per 1,000 Residents
• Number of Employees in the Creative Economy
• Number of Public Murals
Vital Signs, 2011-2016

Chapters

• Demographics/US Census
• Housing & Community Development
• Children and Family Health
• Crime and Safety
• Workforce & Economic Development
• Sustainability
• Education & Youth
• Arts & Culture
Project funded by the Annie E. Casey Foundation
Available at the CSA data FREE on BNIA-JFI website
In 2015 UN member states adopted 17 sustainable development goals.
SDGs: A global aspiration the world commits to achieving by 2030

1. No Poverty in Baltimore
2. Zero Hunger in Baltimore
3. Good Health and Well-Being in Baltimore
4. Quality Education in Baltimore
5. Gender Equality in Baltimore
6. Clean Water and Sanitation in Baltimore
7. Affordable and Clean Energy in Baltimore
8. Decent Work and Economic Growth in Baltimore
9. Industry, Innovation and Infrastructure in Baltimore
10. Reduced Inequalities in Baltimore
11. Sustainable Cities and Communities in Baltimore
12. Responsible Consumption and Production in Baltimore
13. Climate Action in Baltimore
14. Life Below Water in Baltimore
15. Life on Land in Baltimore
16. Peace and Justice Strong Institutions in Baltimore
17. Partnerships for the Goals in Baltimore
Choosing Indicators: Guiding Principles

- Aligning local priorities with global/SDG targets
- Coordinating indicators with existing/parallel processes envisioning Baltimore’s future
- Data is accessible and actionable and from a valid, reliable source
- Baseline measures can be tracked over time
Actionable Indicators

• 16 Goals; 57 Indicators

• Examples of existing data:
  – 45 Minute Commute Time (#SDG11 #SustCities)
  – Percent Children Living in Poverty, disaggregated by Race (#SDG10 #Equality #Inclusion)

• Examples of gaps in data
  – Liquid Asset Poverty (#SDG1 #EndPoverty)
  – Percent Earning a Living Wage (#SGD8 #econgrowth)
  – Length of time in jail pretrial for misdemeanor offenses (#SDG16 #JusticePeace)
Connecting to Sustainability Plan

• Simultaneous process following the STAR rating metrics

• Desire for the process to be local and inclusive with an equity framework

• Mapping the Baltimore SDG indicators to strategies

• Draft Released in April 2018
**SDG Goal**

**Strategies and action plan**

1. **NO POVERTY**
   - Improve transportation equity and ensure low-income residents are not left behind as technology advances. Increase charging stations in high-poverty areas so residents might capitalize on cost-saving benefits of electric vehicles (pg.22)
   - Weatherizing more than 10,000 units inhabited by low income families saving $10 million in reduced utility bills (pg.11)

2. **ZERO HUNGER**
   - Reduce acute food insecurity (pg.77)
   - Engage communities in urban agriculture projects (pg.63)
   - Create agriculture land use policies that encourage urban farms and local food production (pg.46)
   - Support community-driven organizations and community-led processes that seek to build greater food sovereignty, or participation in and control of the local food system (pg.53)
   - Reduce the number of children who are “food insecure” by five percent over five years (pg.53)

3. **GOOD HEALTH AND WELL-BEING**
   - Reducing cost of flood insurance by up to 25% for almost 2,000 properties (pg.11)
   - Increase fitness and wellness programs (pg.71)
   - Implement 8-point Health Food Environment Strategy (pg.77)
   - Advance a more comprehensive behavioral health system (pg.79)
Engage school leadership in sustainability education and practices and provide teachers with resources and professional development (pg.43)

Create a healthy physical environment in every school (pg.47)

Address mental health needs of students, staff and faculty (pg.47)

Establish an equity lens which will broaden the scope of voices represented in the plan (pg.7)

Address needs unique to minority- and women-owned businesses by develop new programs and strategies including access to capital and equity investments, technical assistance, and program marketing (pg.44)

Provide clean and local potable water via water fountains (pg.47)

Increase the number of schools with clean water from drinking fountains each year by 33 percent (pg.35)
<table>
<thead>
<tr>
<th>SDG Goal</th>
<th>7 AFFORDABLE AND CLEAN ENERGY</th>
<th>8 DECENT WORK AND ECONOMIC GROWTH</th>
<th>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strategies and action plan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Reduce residential gas use by 2.7% and electric use by 8.1% (pg.11)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Expand renewable energy education program to reach low income home owners (pg.33)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Support and deploy technologies to reduce energy in building and transportation (pg.33)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Produce and sell local goods and services, strengthen local employment, and ensure that money spent in the city stays in the city. (pg.43)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Integrate and streamline the delivery of workforce services (pg.40)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Increase emphasis on post-placement services such as crisis management, long-term career planning, etc. (pg.40)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Support sustainable employment for formerly incarcerated residents (pg.40)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Review regulations related to reinvesting in older manufacturing facilities (pg.44)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Identify utility, facility, and infrastructure components for priority upgrades through a community-driven process focusing on reducing vulnerability to flooding, sea level rise, and wind damage (pg.28)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Implement green infrastructure on vacant land with Baltimore Green Network (pg.83)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**SDG Goal**

**Strategies and action plan**

- Incorporate an equity lens which broadens the scope of voices represented in the plan, inclusive not only of race but also gender, age, neighborhood, and employment status (pg.8)
- Promote hiring practices to equitably include more women, racial, ethnic and religious minorities, LGBTQIA candidates, differently-abled, and formerly incarcerated people (pg.45)

- Use the STAR Community Rating System, the first comprehensive structure for measuring and assessing the sustainability of communities at the local scale (pg.6)
- Transform vacant properties into green community assets, connecting these spaces to schools, homes, retail districts, and other activity centers via the Baltimore Green Network Plan (2018) (pg.7)

- Increase production, distribution, sales, and consumption of food locally grown within our city via Homegrown Baltimore (pg.7)
- Provide supportive services to grow businesses, help develop new market channels, improve access to affordable and safe production spaces, and enhance retail and sales opportunities (pg.44)
- Create and adopt an economic plan that supports local production, purchasing, and exporting strategies (pg.45)
**SDG Goal**

**13 CLIMATE ACTION**

- Reduce emissions by 15% by 2020 (pg.7)
- Establish a climate change advisory committee, engaging diverse community stakeholders in identifying and implementing strategies to reduce greenhouse gas emissions and to adapt to the impacts of climate change (pg.25)
- Modify operations and policies in City government to reduce emissions (pg.25)
- Increase community awareness of natural hazards and climate change (pg.27)

**14 LIFE BELOW WATER**

- Foster cross-jurisdictional partnerships, including a diverse group of residents, to address water quality, water access, and increased healthy habitat for fish and other aquatic life (pg.90)
- Improve aquatic habitats by increasing restoration and monitoring for water quality; identify environmentally-sensitive development plans that concentrate restoration efforts (pg.79)
- Reduce illegal sewer connections and broken sewage pipes to decrease water pollutant levels caused by nutrients, sediment, bacteria, and trash (pg.79)

**15 LIFE ON LAND**

- Increase restoration, creation, and maintenance of habitat for native species on public and private land (pg.79)
- Increase community awareness of the benefits of biodiversity and the impacts of invasive species and other ecological threats (pg.79)
- Plant and establish more trees (pg.79)
- Achieve zero loss of existing forests due to human action by 2025 and active management of 75 percent of forests and trees by 2030 (pg.79)
Support the Law Enforcement Assisted Diversion initiative, which is designed to divert low-level drug offenders to community services (including case management), avoiding contact with the criminal justice system and better addressing the public health issue of substance abuse (pg.60)

Building safe communities and reducing violent crime, promoting cross-sector collaboration, and rebuilding trust with the community with Baltimore City Police Department (pg.62)

Develop outreach campaigns in partnership with community members, businesses and institutions (pg.26)

Expand and sustain meaningful partnerships with the Green Schools Network to provide resources, services, after-school programs, and advocacy (pg.32)

Partnership with the Johns Hopkins School of Public Health to collect and analyze data related to the police department’s response to behavioral health calls for service (pg.64)

Facilitate partnerships to increase steward green infrastructure (pg.82)
THANK YOU
Questions? Comments?