



MEMORANDUM

To: MPO Policy Committee

Date: October 2, 2008

From: Andrew Williams-Clark, Project Manager

Re: Regional Indicators

Since spring 2008, as part of the *GO TO 2040* process and in partnership with the Chicago Community Trust, CMAP has been developing indicators to track the region's progress toward the Regional Vision. On September 26, the Transportation Committee recommended the endorsement of the draft indicators to the MPO Policy Committee, and the Planning Coordinating Committee will be asked to take similar action at its meeting on October 8.

At its October 9 meeting, the MPO Policy Committee will be asked to endorse the recommended list of indicators to begin data collection and visualization work. It is expected that as work on *GO TO 2040* continues, there may be changes to this list based on new datasets or analysis methods that arise; any changes will be revisited with CMAP's committees.

The recommended indicators are attached to this memo. They are listed by theme, and the themes are arranged alphabetically. Some indicators appear under multiple themes, and a complete list of all proposed indicators appears at the end of the attachment. The remainder of this memo provides additional background concerning the purpose and process of the development of regional indicators.

ACTION REQUESTED: Endorsement of the list of tracking indicators for initial data collection and visualization work.

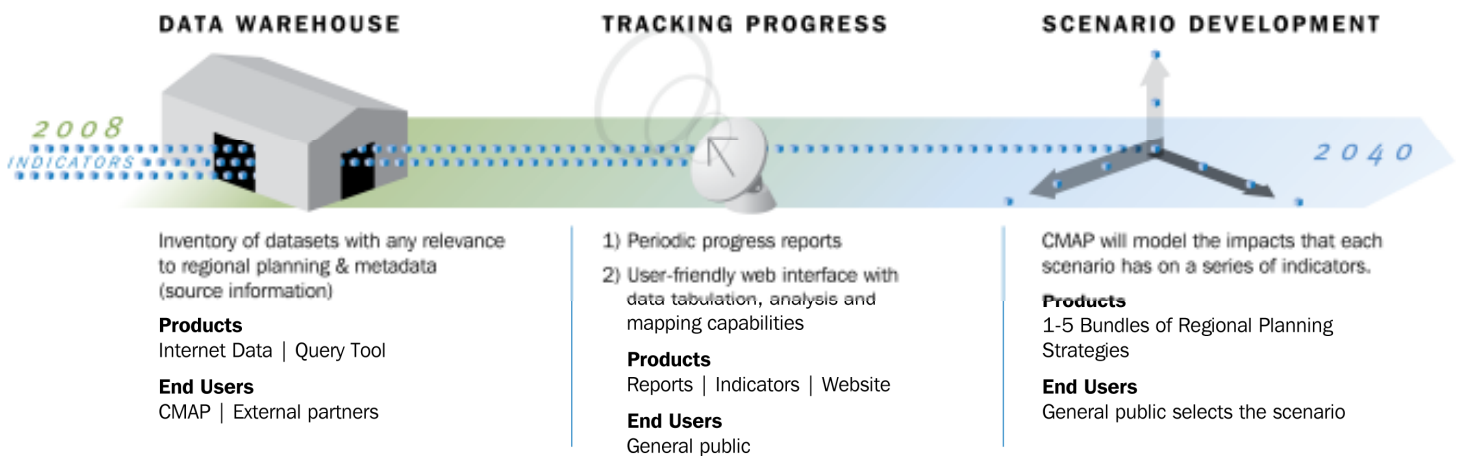
Background

A discussion and movement concerning the importance of local indicator system development began in the 1960s, but indicator system development was stymied by resource constraints for the next 20 years. Beginning in the 1980s, several sociopolitical movements underscoring the need for reliable indicators began, including the devolution of social programs and the expansion of local institutions involved in social policy. In the 1990s, local indicator system projects exploded with the proliferation of personal computers and mapping software (GIS). Likewise, the automation of administrative information and the emergence of the internet made data collection, processing and distribution exponentially less burdensome.

In the past quarter-century, partnerships between public, private and nonprofit actors have developed indicator systems in cities and regions around the country. Several of the early pioneers have become today's veteran experts, including Indicators for Progress (Jacksonville, FL), Sustainable Seattle and the Santa Cruz County Community Assessment Project (California). Finally, following a national forum co-convened by the Government Accounting Office and the National Academies, the Key National Indicators Initiative was created in 2003 to address the need for a national indicator system.

Regional Indicators Project

CMAP staff and working committees are working in partnership with the Chicago Community Trust to measure our progress toward achieving the Regional Vision for 2040.



Purpose

Data Warehouse

CMAP's enabling legislation states that the agency "shall be the authoritative source for regional data collection, exchange, dissemination, analysis, evaluation, forecasting and modeling...create and maintain a timely, ongoing, and coordinated data and information sharing program...[with a] publicly accessible mechanism for data access and distribution." In this vein, CMAP is developing a data warehouse website that will allow the public to download

tabular data with any relevance to regional planning from a central online location. This website will also provide standardized metadata on each dataset made available to the public.

GO TO 2040 Plan

The centerpiece of the *GO TO 2040* planning process is a scenario evaluation process. This consists of the selection of a preferred course of action that will most effectively move the region toward the desired future vision. Therefore, a method for judging the effectiveness of different policies or investments to address the *GO TO 2040* Regional Vision was necessary. In this vein, CMAP staff have worked closely with the committees, Chicago Community Trust and other stakeholders to identify specific *tracking indicators* that are tied to statements or concepts in the Regional Vision. For example, where the Vision identified healthy, clean air as an important part of our desired future, a tracking indicator that measures air quality was developed.

It was never the objective of CMAP staff to identify a corresponding indicator for every statement in the Vision. However, staff endeavored to work with stakeholders to identify several indicators associated with each of the broad Vision themes with equity and sustainability woven throughout.

Process

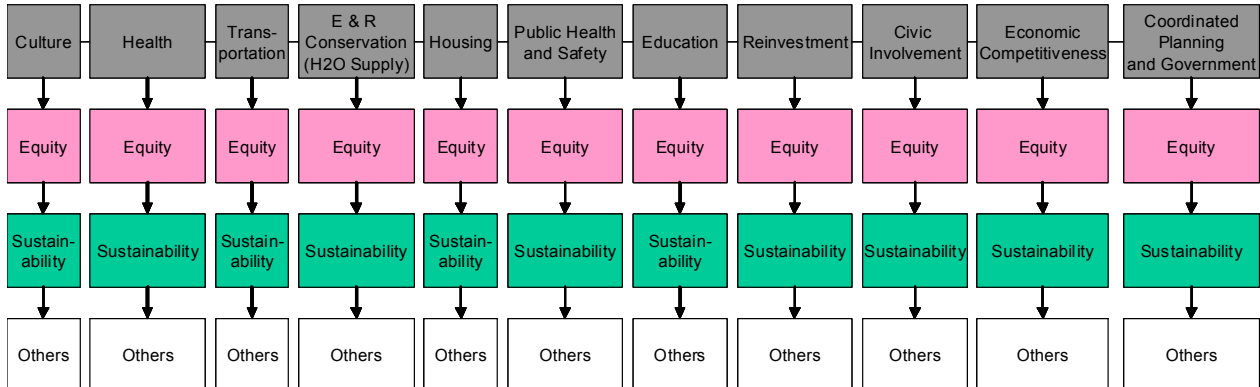
In the winter of 2008, CMAP staff took an inventory of 109 different indicator projects from communities across the nation. These projects predominantly fall into one of a few categories: model indicator systems (National Neighborhood Indicators Project), thematic indicator systems (Sustainable Seattle), government accountability systems (CitiStat, Baltimore) and comprehensive key indicator systems (Boston Indicators Project). To get a better sense of best practice in terms of organization and indicators, staff focused on a “top ten” list of indicators projects. These were drawn from nationally recognized models and those receiving innovation awards from the Community Indicators Consortium, a national organization devoted to providing a space for the sharing of best practices between indicators projects.

Top Ten Indicator Project Examples (no particular order)	
Boston Indicators Project	www.bostonindicators.org
Community Vision, Osceola County, FL	www.communityvision.org
Georgia Community Indicators	www.dca.state.ga.us/commind/default.asp
Jacksonville Quality of Life Indicators	www.jcci.org/statistics/qualityoflife.aspx
Minneapolis Sustainability Indicators	www.ci.minneapolis.mn.us/sustainability/indicators.asp
Santa Cruz County Community Assessment Project	http://santacruzcountycap.org
Santa Monica Sustainable City Plan	http://pen.ci.santa-monica.ca.us/epd/scp/goals_indicators.htm
Sustainable Cincinnati	http://www.sustainablecincinnati.org
Sustainable Seattle	www.sustainableseattle.org
Truckee Meadows Tomorrow, Nevada	www.quality-of-life.org

It is a widely recognized best practice that an indicator system should measure progress toward a vision developed through broad stakeholder engagement, such as the process used to develop the *GO TO 2040* Regional Vision. Staff conducted an analysis to determine how well the themes identified in the Vision matched up to the taxonomies and indicators used in the above

projects. This analysis revealed that the vision themes could provide a suitable framework for organizing the indicator system.

While “quality of life” is identified as a vision theme, it is widely recognized that the phrase is highly nuanced and should therefore be deconstructed into component categories and indicators. However, it was determined that none of the Vision themes lent themselves nicely to measuring cultural vitality, as defined by the Urban Institute’s Arts and Culture Indicators Project. Therefore, “quality of life” was removed as an indicator category and replaced by “culture.” Finally, the Vision identifies “equity,” “sustainability” and “innovation” as major themes. It was determined that, wherever possible, indicators for each of these should be identified in all of the 11 major themes (below).



CMAP staff with subject area expertise began with lists of indicators from the top ten projects and proposed additional indicators where gaps were identified. In subject areas where the agency lacked expertise (education for example), CMAP staff worked in collaboration with the Trust to propose indicators. Beginning in March, CMAP staff presented an overview of the regional indicators project and led each of the working committees in brainstorming sessions to identify indicators in their respective areas of expertise. Based on these brainstorming sessions, CMAP staff worked in collaboration with the Trust to create a taxonomy of categories and subcategories within each Vision theme to organize indicators and datasets. Staff continued to facilitate discussions at the working committee level to refine indicators through the spring and summer.

The Chicago Community Trust provided financial support to CMAP to contract with two independent firms for comprehensive investigation and evaluation of existing datasets to determine which will be most useful for measuring the indicators proposed by the working committees. URS was charged with investigating and evaluating indicators in the environment, natural resources and water supply theme, while MCIC was responsible for all other themes. Both of these firms were contracted through a competitive RFP process. Lists of indicators proposed by working committees, CMAP staff and the Trust were distributed to consultant firms beginning in March. CMAP staff also provided the firms with revisions to said lists on a weekly basis. On June 30, both consultant firms provided data inventories to CMAP, which provided a roadmap for data acquisition for the data warehouse as well as a starting point from which to begin prioritizing tracking indicators.

Staff members from CMAP’s planning, technical assistance and external relations departments worked together to develop a workshop for the purpose of engaging county, municipal and other stakeholders in the prioritization of indicators. CMAP facilitated 10 of these workshops in

each of the seven counties between July and August, drawing a total of just over 300 participants. Representatives from all seven county governments and over 100 different municipal governments participated, as well as representatives from RTA, Metra, PACE, and CDOT. In addition to several members of CMAP working committees, CMAP Board and Citizens' Advisory Committee members participated in the workshops. Stakeholders representing the State of Illinois from DCEO, IDOT, IDNR, and the General Assembly participated. Finally, federal stakeholders from three Illinois congressional districts, FHWA and USEPA also participated in the workshops.

Beginning in July, CMAP began to develop lists of indicators suitable for tracking progress toward achieving the Vision. Based on the model of the Boston Indicators Project, which identified 186 indicators, it was determined early on that around 150-180 tracking indicators would be selected at the end of the process. It was also determined that tracking indicators must be measured by datasets that are available as regional aggregates and reliably updated. To have the most impact, it was also determined that each tracking indicator should have a broad stakeholder consensus around a positive trend line moving forward (increasing or decreasing is good or bad).

Having expertise in the areas of Reinvestment, Economic Competitiveness, Housing, Environment and Transportation, CMAP staff began to develop lists proposing approximately fifteen tracking indicators in each of these themes in July. Each of these lists had been proposed to the appropriate working committee for discussion and revision. Working committee input has been incorporated into the draft lists that are attached to this memo.

While the Human Services working committee initially proposed indicators for the themes of Education, Culture, Safety & Security, Health and Civic Involvement, it was ultimately determined that additional expertise was needed to develop appropriate tracking indicators for each of these themes. The Trust financially supported a parallel process for this purpose. For each of the aforementioned themes the Trust appointed a lead agency responsible for convening a broader advisory committee of stakeholders from around the region. While the long term goal of each of these groups is to evaluate strategies for *GO TO 2040*, a preliminary step was to identify priorities for tracking indicators by the end of August. Their recommendations will be incorporated into the draft lists that will be distributed to the Planning Committee as soon as they are available.

The Land Use working committee proposed a taxonomy of indicators for Coordinated Planning & Government, however this theme confounded the consultant charged with identifying datasets. Unfortunately, a dearth of information is available to measure these indicators. As such, CMAP staff propose to conduct a survey of all municipal and county governments within the region every five years moving forward. With only 300 respondents, such a survey would mitigate resource burdens, while it would allow CMAP to track coordination, implementation and policy innovation over time. Early results of an analogous survey already conducted by CMAP to document environmental stewardship and importance around the region show great promise. The indicators on the lists that will be distributed to the Planning Committee shortly, will reflect both the datasets available at this time and information that could be gathered from the proposed survey.

Next Steps

Research on a number of topics for the *GO TO 2040* plan will continue through the remainder of the planning process. It is possible that new and improved indicators in some areas will arise as a result. Therefore, staff would recommend that the tracking indicators approved in the fall be able to be modified prior to the adoption of the plan. Any recommendations for changes to indicators will be revisited through the CMAP committee structure before dissemination of any additional data or analysis to the public.

Following MPO Policy Committee and CMAP Board approval, CMAP staff will prioritize data acquisition tasks and begin to develop visualizations and analysis of the tracking indicators for distribution to stakeholders and the public. Staff tested visualizations using an interactive PDF technology called Flex at the indicator workshops. Based on participant feedback, it was determined that this technology would benefit stakeholders tremendously. To learn more about Flex PDF, committee members should visit the Regional Indicators Project website at www.goto2040.org/indicators.aspx. Ultimately, CMAP's objective in developing data visualizations is to provide our stakeholders with the most up to date information, using the best available technology.

The endorsement of the list of tracking indicators for initial data collection and visualization work is requested.

Civic Involvement and Human Relations

Category	Subcategory	Indicator	Groups proposing
Civic Participation	1.1 Voting and Elections	% of population, aged 18+ that is registered to vote	Civic Involvement and Human Relations
	1.1 Voting and Elections	% of registered voters voting in the last federal election	Civic Involvement and Human Relations
	1.1 Voting and Elections	Voter turnout, by race	Civic Involvement and Human Relations
	1.1 Voting and Elections	Level of polarized/crossover voting	Civic Involvement and Human Relations
	1.2 Minority Leadership	Percentage of minority representation in elected and appointed public positions (and the regional legislatures)	Civic Involvement and Human Relations
	1.2 Regional Cultural Diversity	Expressions of Chicago's regional diversity (demographics; languages spoken; diversity of civic leaders)	Culture
	1.3 Availability of Information	Average daily paid circulation	Civic Involvement and Human Relations
	1.3 Availability of Information	Dissemination of arts and cultural information—publications, journals, media coverage, etc.	Culture
	1.4 Campaign Contributions	# of campaign contributions per capita by ZIP	Civic Involvement and Human Relations
1.5 Citizenship	% non-citizen	Civic Involvement and Human Relations	
Community Participation	2.1 Organizational	\$ of dollars contributed to 501(c)(3) divided by aggregate gross income	Civic Involvement and Human Relations, Culture
	2.2 Public Facilities	number of selected public facilities per capita (schools, municipal, libraries and others TBD) by tract	Civic Involvement and Human Relations
	2.3 Organizational	Presence of nonprofit (501c3) arts and culture organizations per 1,000	Civic Involvement and Human Relations, Culture
Equity	3.1 Transportation	...see Transportation tab for multiple indicators	Transportation
	3.2 Housing	...see Housing tab for multiple indicators	Housing
	3.3 Economic	...see Economic tab for multiple indicators	Economic
	3.4 Reinvestment	...see Reinvestment tab for multiple indicators	Reinvestment
	3.5 Safety and Security	...see Safety and Security tab for multiple indicators	Safety and Security
	3.6 Education	...see Education tab for multiple indicators	Education
Social Capital	4.1 Self-Assessment	Proportion of persons satisfied with their quality of life	Health
	4.2 Social Capital	Social capital indicators TBD, may include measures such as the following:	Civic Involvement and Human Relations
	4.2 Social Capital	Child support payments	Civic Involvement and Human Relations
	4.2 Social Capital	Linguistic isolation	Civic Involvement and Human Relations
	4.2 Social Capital	Local commissions on human relations	Civic Involvement and Human Relations

Culture				
Category	Subcategory	Indicator		Groups proposing
Cultural Vitality	1.1	Opportunities for Cultural Participation	Presence of nonprofit (501c3) arts and culture organizations per 1,000	Culture, Civic Involvement and Human Relations
	1.2	Opportunities for Cultural Participation	Number of jobs in nonprofit (501c3), public and commercial arts establishments in relation to all employment	Culture
	1.3	Opportunities for Cultural Participation	Presence of informal arts and culture opportunities	Culture
	1.4	Opportunities for Cultural Participation	Participation in nonprofit (501c3) arts and culture events	Culture
	1.5	Opportunities for Cultural Participation	Presence of arts education in public schools (K-12) (i.e. presence of each discipline in schools; tracking the number of hours dedicated to the arts; number of certified arts specialists who deliver arts curriculum; Number of children/youth in after-school activities	Culture
	1.6	Opportunities for Cultural Participation	Post secondary arts education data (number of institutions, classes or participants)	Culture
	1.7	Opportunities for Cultural Participation	Dissemination of arts and cultural information—publications, journals, media coverage, etc.	Culture
Cultural Vitality	2.1	Support for cultural activities	\$ of dollars contributed to 501(c)(3) divided by aggregate gross income	Culture, Civic Involvement and Human Relations
	2.2	Support for cultural activities	Support for for-profit arts and culture enterprises	Culture
	2.3	Support for cultural activities	Participation in informal arts and cultural activities	Culture
	2.4	Support for cultural activities	Participation in for-profit arts and culture enterprises	Culture
	2.5	Support for cultural activities	Support for informal arts and cultural activities	Culture
	2.6	Support for cultural activities	Percent for art program, measuring public art availability	Culture
Cultural Vitality	3.1	Regional Cultural Diversity	Expressions of Chicago's regional diversity (demographics; languages spoken; Diversity of civic leaders;	Culture
	3.2	Regional Cultural Diversity	Promoting protection and preservation of historic landmarks	Culture
	3.3	Regional Cultural Diversity	Growth in cultural tourism, measured by the number of attendees who live outside the region.	Culture
<i>Other</i>	4.1	<i>Sports and Recreation</i>	<i>Other Sports and Recreation Indicators TBD</i>	<i>Culture</i>

Economic Competitiveness

Category	Subcategory	Indicator	Groups proposing
Income	1.1 Household	Median household income	Economic, Workforce
	1.1 Individual	Average wages by industry and occupation	Workforce
	1.2 Poverty	Percent of population in poverty, extreme poverty, and 200% of poverty level	Economic, Health, Food
	1.2 Poverty	Percent of population receiving food stamps	Workforce, Food
	1.3 Cost of Living	Cost of Living Index (COLI)	Economic, Workforce
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Workforce	2.1 Employment	Employment and unemployment rate	Economic, Workforce
	2.1 Jobs per capita	Jobs per capita	Workforce
	2.1 Arts-related jobs	Number of jobs in nonprofit (501c3), public and commercial arts establishments in relation to all employment	Culture
	2.2 Participation	Rate of workforce participation	Workforce, Human Relations, Health
	2.3 Workforce Development	<i>Placeholder for efficacy of workforce development programs.</i>	<i>Economic</i>
	2.4 Workforce Development	Number of jobs created or retained as a result of state economic development subsidy	Workforce
	2.5 Education	...see Education tab for multiple indicators	Education
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Assets	3.1 Property	Commercial vacancy rate	Economic
	3.2 New Construction	Number of commercial building permits issued	Economic
	3.3 Agricultural land	Acres of land in farms	Economic, Land Use, Food
	3.4 Water	Use of deep bedrock aquifer and Lake Michigan	Environment
	3.4 Water	Gallons of water used daily per capita by industrial, commercial, agricultural and residential per county or watershed	Environment
	3.5 Housing	...see Housing tab for multiple indicators	Housing
	3.6 Transportation	...see Transportation tab for multiple indicators	Transportation
	3.7 Land Use and Development	...see Reinvestment tab for multiple indicators	Land Use
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Business Environment	4.1 Private Investment	Total number of private business loans	Economic
	4.1 Private Investment	Business loans made to minorities	Human Relations
	4.2 Taxing	MSA Rank in Corporate Tax Burden	Economic
	4.3 Productivity	Gross Regional Product	Economic
	4.4 Entrepreneurialism	# and % of small businesses started and retained after 2 years	Economic
	4.4 Entrepreneurialism	Small business ownership by minorities	Human Relations
4.5 Import/Export	Value (\$) of goods exported annually vs. value (\$) of goods imported annually	Economic	

Category	Subcategory	Indicator	Groups proposing
Other	5.1 Jobs-Housing Balance	Number and/or % of jobs located near affordable housing	Economic
	5.2 Higher Education	Degrees conferred by gender, race, national origin, type of institution, level of instruction, field, and type of degree	Education
	5.2 Higher Education	Degrees conferred (% in technology-related fields)	Economic
	5.3 Innovation	Number of patents secured by Chicago MSA	Economic
	5.4 Energy	Energy consumption and source by sector	Environment, Transportation
	5.5 Electronic/ Communications	Number or % of zipcodes reporting one or fewer broadband carriers	Land Use
	5.5 Electronic/ Communications	% Zipcodes with One Broadband Carrier with 50%+ non WNH population or Low Income	Land Use
	5.6 Organizational	\$ of dollars contributed to 501(c)(3) divided by aggregate gross income	Civic Involvement, Culture
	5.7 Transit Oriented Development	% of population and jobs with access to transit	Transportation, Housing, Land Use, Economy
	5.8 Freight Travel Time	Rail travel time averages and variations across region for intermodal containers and average peak and offpeak travel time for trucks in freight significant corridors	Transportation
	5.9 At-Grade Highway-Rail Grade Crossing Delay	Vehicle-minutes of delay for at-grade crossings/length of time for traffic to recover	Transportation
	5.10 Percent of Truck Volumes Occurring Off-Peak	Vehicle Classification by Time-of-Day	Transportation
	5.11 Road Condition to Intermodal Facilities	Condition Rating for National Highway System Intermodal Connectors	Transportation

Education

Category	Subcategory	Indicator	Groups proposing
Quality of Opportunities	1.1 K-12	Percent of classes taught by highly qualified teachers	Education
	1.1 K-12	Race/ethnicity of educators at K-12 institutions	Education
	1.2 K-12	Number of support staff and staff specialists (including librarians, guidance counselors, administrative and support) per student	Education
	1.3 K-12	Class size in urban and suburban schools	Education
	1.4 Early Childhood	% of EC teachers with a BA degree and specialized training in EC	Education
	1.5 Higher Education	High school's Advanced Placement course offerings	Education
	1.6 After School Programming	Total number of students served by before and after school programs	Education
	1.7 Cultural Opportunities	Presence of arts education in public schools (K-12) (i.e. presence of each discipline in schools; tracking the number of hours dedicated to the arts; number of certified arts specialists who deliver arts curriculum; Number of children/youth in after-school activities	Culture
	1.7 Cultural Opportunities	Post secondary arts education data (number of institutions, classes or participants)	Culture
Educational Outcomes	2.1 K-12	Percentage of students meeting or exceeding state standards in ISAT (overall performance)	Education
	2.2 K-12	Percent of students that meet or exceed standards in reading	Education
	2.3 K-12	ACT scores	Education
	2.4 K-12	Graduation and dropout rate	Education, Health, Human Relations
	2.5 Higher Education	Degrees conferred by gender, race, national origin, type of institution, level of instruction, field, and type of degree	Education
	2.5 Higher Education	Degrees conferred (% in technology-related fields)	Economic
	2.5 Higher Education	Average graduation rate of 4-year higher education institutions	Education
	2.6 Educational attainment	Educational attainment	Workforce, Human Relations
Enrollment/Attendance	3.1 K-12	Student enrollment in public elementary and secondary schools	Education, Workforce
	3.2 Early Childhood	% of eligible students (different age classes between 0 and 5) enrolled in funded Head Start, Early Head Start, and other programs (multiple breakdowns)	Education
	3.3 Higher Education	Enrollment by level of instruction, type of institution, gender, race, and nature of enrollment (dual-enrollments)	Education, Human Relations
Funding/Cost	4.1 K-12	Disparities in per-pupil spending	Education
	4.1 K-12	Breakdown of racially identifiable schools by district spending and school spending	Human Relations
	4.2 Higher Education	Percent of students receiving financial aid (by type of aid, source of aid, and amount of aid)	Education

Category	Subcategory	Indicator	Groups proposing
Workforce	5.1 Workforce Development	Adult literacy rate (including ESL)	Workforce
	5.2 Workforce Development	Adult numeracy rate	Workforce
	5.3 Workforce Development	Number of institutions offering certification OR certification-seeking adult enrollment in educational institutions	Workforce
	5.4 <i>Workforce Development</i>	<i>Placeholder for efficacy of workforce development programs.</i>	<i>Economic</i>

Environment and Natural Resources

Category	Subcategory	Indicator	Groups proposing
Air	1.1 Quality	Good air quality days per year	Environment, Health
	1.2 Emissions	Annual air emissions	Environment
	1.3 Stewardship	Participation in clean air programs	Environment
Water	2.1 Ambient Water Quality	Number of impaired miles or assessment units (streams, inland lakes, Lake Michigan) over time.	Environment
	2.1 Ambient Water Quality	% of beach days with closure per year	Environment
	2.2 Stewardship	Number of watershed groups and number of plans that meet Nine Elements	Environment
	2.3 Demand and Supply of Drinking Water	Use of deep bedrock aquifer and Lake Michigan	Environment
	2.3 Demand and Supply of Drinking Water	Gallons of water used daily per capita by industrial, commercial, agricultural and residential per county or watershed	Environment
	2.4 Development	number of new septic permits issued OR % of parcels on sewer grid	Land Use
Waste	3.1 Pressure/Threat	Amount of municipal solid waste landfilled, recycled, composted	Environment
Land	4.1 Open space	Acres of non-urbanized land	Land Use
	4.2 Access to open space	Proximity to open space parcels	Environment
	4.3 Agriculture	Acres of land in farms	Economic, Land Use, Food
	4.4 Brownfields	Number of potential brownfield parcels	Land Use
	4.4 Brownfields	Annual number of brownfield sites for which NFR letters have been issued	Land Use
	4.4 Brownfields	% of brownfield acres in tracts with low-income or minority population	Land Use
Energy	5.1 Consumption by Source	Energy consumption and source by sector	Environment, Transportation
	5.2 Housing Energy Use	Number of energy efficient homes	Housing
	5.3 Transit Oriented Development	% of population and jobs with access to transit	Transportation, Housing, Land Use
	5.3 Transportation	...see Transportation tab for multiple indicators	Transportation
Climate Change	6.1 Pressure/Threat	GHG emissions by sector and county for current year	Environment
Biodiversity	7.1 Quality	Bird counts (plus natural community audits, e.g., woods, grassland)	Environment
	7.1 Quality	Acreage and grade of INAI sites in NE Illinois by county and community	Environment
	7.2 Pressure/Threat	Presence of aquatic invasive species by county or HUC 8 drainage	Environment
	7.3 Response	Open space considered conservation-oriented + value of bond issues over time	Environment

Health

Category	Subcategory	Indicator	Groups proposing
Vital Statistics	1.1 Births	Differences in the infant mortality rate by race, ethnicity, and residency in the CMAP region	Health
	1.2 Potential Life Lost	Years of potential life lost and morbidity rates by disease	Health
	1.3 Self-Assessment	Proportion of adults reporting that their general health is good to excellent	Health
	1.3 Self-Assessment	Proportion of persons satisfied with the quality of life	Health
	1.4 Other	<i>Other vital statistics indicators TBD</i>	<i>Health</i>
Morbidity and Disease	2.1 Obesity	Proportion of the population who are obese by selected age cohorts	Health
	2.2 Dental Care	<i>Indicator TBD</i>	<i>Health</i>
	2.3 Other	<i>Other morbidity indicators TBD</i>	<i>Health</i>
Social Health Factors	3.1 Poverty	Percent of population in poverty, extreme poverty, and 200% of poverty level	Economy, Health, Food
	3.1 Poverty	Percent of population receiving food stamps	Workforce, Food
	3.2 Cigarette Use	Smoker status (current, former, non-); use of smokeless tobacco (Y/N)	Health
	3.3 K-12	Graduation and dropout rate	Education, Health, Human Relations
	3.4 Workforce Development	Rate of workforce participation	Economy, Civic Involvement, Health
	3.5 Other	<i>Other social health factor indicators TBD</i>	<i>Health</i>
Environmental Health Factors	4.1 Air Quality	Good air quality days per year	Environment, Health
	4.2 Air Quality	Annual air emissions	Environment
	4.3 Ambient Water Quality	% of beach days with closure per year	Environment
	4.4 Pedestrian Environment	Weighted pedestrian environment factor	Transportation
	4.5 Walkability/Bikeability	Measured as Pedestrian Level of Service (PLOS) and Bicycle Level of Service (BLOS).	Transportation
	4.6 Brownfields	Number of potential brownfield parcels	Land Use
	4.6 Brownfields	Annual number of brownfield sites for which NFR letters have been issued	Land Use
4.6 Brownfields	% of brownfield acres in tracts with low-income or minority population	Land Use	

Category	Subcategory	Indicator	Groups proposing
Healthcare Opportunities	4.1 Health Insurance Coverage	Number and percent of uninsured individuals by county with breakouts by gender, race, ethnicity and income	Health
	4.2 Health Care Facilities and Professionals	Number and percent of population with access to health care	Health
	4.3 Other	Other healthcare indicators TBD	Health
Food and Hunger	5.1 Hunger	Percent of population that are food insecure	Food
	5.1 Hunger	Percent of population that are hungry	Food
	5.1 Hunger	Ratio of population receiving services to need	Food
	5.2 Other	Other food indicators TBD	Health
Other	6.1 Citizen Preparedness	Number of individuals certified in CPR/First Aid (per 100,000 population), and/or Count/Size of participants receiving training or certification and/or Number of households with disaster emergency kit/plan	Safety and Security
	6.2 Mass Care/Capacity	Amount of Emergency Shelter beds, and/or Evaluation (TBD) on whether current shelter capabilities meet/exceed standards, and/or Evaluation (TBD) on whether mass feeding capabilities meet/exceed standards, and/or Number of registered volunteers active in d	Safety and Security
	6.3 Crash Rate Per Capita / VMT	# of crashes per person and per vehicle mile traveled by crash severity and mode	Transportation
	6.4 Incident Response	Incident response time	Transportation

Housing

Category	Subcategory	Indicator	Groups proposing
Housing Stock	1.1 Transit Oriented Development	% of population and jobs with access to transit	Transportation, Housing, Land Use
	1.2 Affordable Housing	# and % of regional housing units considered affordable based on IHDA definition	Housing, Human Relations
	1.3 Subsidized Housing Units	# of project-based and individual Section-8 housing units (with breakout for expiration risk) and use of Section 8 vouchers	Housing, Human Relations
	1.4 Jobs-Housing Balance	Number and/or % of jobs located near affordable housing	Economic
	1.5 Mixed Use	Parcels of mixed-use development	Land Use
Supply and Demand	2.1 Deficit/Surplus by Cost	Number of units available vs. in demand by pricepoint	Housing
	2.2 Deficit/Surplus by Home Type	Number of units available vs. in demand by type of housing (<market, multifamily, single family)	Housing
	2.3 Burden	# and % of households paying $\geq 30\%$ of income on gross rent and # and % of households paying $\geq 30\%$ of income on specified owner costs	Housing
	2.4 Overcrowding	% of occupied housing units with > 1 person per room	Housing
Strength of Regional Housing Market	3.1 New Housing Starts	# of Housing Starts	Housing
	3.2 Value	Ratio of median housing value to median income	Housing
	3.3 Vacancy	# or % of vacant housing units	Housing
	3.4 Lending	Number (volume) of home purchase and refinance loans	Housing
	3.5 Foreclosure	Number of foreclosures and/or as a % of total housing units	Housing
	3.5 Foreclosure	# of non-subprime mortgages approved for African American, Latino or Low Income Households	Housing
Other	4.1 Energy consumption	Energy consumption and source by sector	Environment, Transportation
	4.2 Energy efficiency	Number of energy efficient homes	Housing
	4.3 Innovation	% of municipalities employing identified innovations in housing policy	Housing
	4.3 Innovation	% of municipalities employing identified innovations in land use regulation	Land Use
	4.4 Equity	Residential patterns of segregation in housing in the region	Human Relations

Reinvestment and Land Use

Category	Subcategory	Indicator	Groups proposing
Development Potential and Location	1.1 Infill	Acres of infill potential	Land Use
	1.1 Infill	Acres of converted infill potential	Land Use
	1.2 Brownfields	Number of potential brownfield parcels	Land Use
	1.2 Brownfields	Annual number of brownfield sites for which NFR letters have been issued	Land Use
	1.2 Brownfields	% of brownfield acres in tracts with low-income or minority population	Land Use
	1.3 Density	Acres of dense development	Land Use
	1.4 Mixed Use	Parcels of mixed-use development	Land Use
	1.5 Transit Oriented Development	% of population and jobs with access to transit	Land Use, Transportation, Housing
	1.6 Jobs-Housing Balance	Number and/or % of jobs located near affordable housing	Economic
Investment	2.1 Public	Value of public investment in infill and brownfield development	Land Use
	2.1 Private	Value of private lending for infill and brownfield development	Land Use
	2.2 Property	Commercial vacancy rate	Economic
	2.3 New construction	Number of commercial building permits issued	Economic
Infrastructure	3.1 Wastewater	number of new septic permits issued OR % of parcels on sewer grid	Land Use
	3.2 Electronic/ Communications	Number or % of zipcodes reporting one or fewer broadband carriers	Land Use
	3.2 Electronic/ Communications	% Zipcodes with One Broadband Carrier in minority or low-income areas	Land Use
	3.3 Public Facilities	Number of selected public facilities per capita (schools, municipal, libraries and others TBD) by tract	Civic Involvement and Human Relations
	3.4 Historic Preservation	Protection and preservation of historic landmarks	Culture
	3.5 Housing	...see Housing tab for multiple indicators	Housing
	3.6 Transportation	...see Transportation tab for multiple indicators	Transportation
Land and Water Preservation	4.1 Open space	Acres of non-urbanized land	Land Use
	4.2 Access to open space	Proximity to open space parcels	Environment
	4.3 Agriculture	Acres of land in farms	Economic, Land Use, Food
	4.4 Natural areas	Open space considered conservation-oriented + value of bond issues over time	Environment
	4.5 Ambient Water Quality (state)	Number of impaired miles or assessment units (streams, inland lakes, Lake Michigan) over time.	Environment
	4.6 Demand and Supply of Drinking Water	Use of deep bedrock aquifer and Lake Michigan	Environment
	4.6 Demand and Supply of Drinking Water	Gallons of water used daily per capita by industrial, commercial, agricultural and residential per county or watershed	Environment
	4.7 Pressure/Threat	Amount of municipal solid waste landfilled, recycled, composted	Environment

Category	Subcategory	Indicator	Groups proposing
Other	5.1 Sustainability	Number of tax sales (properties that have been sold for taxes at a previous time and are about to reach the end of the redemption period)	Land Use
	5.2 Innovation	% of municipalities employing identified innovations in land use regulation	Land Use

Safety and Security

Category	Subcategory	Indicator	Groups proposing
Crime/ Victimization	1.1 Firearm	Firearm deaths/injury	Safety and Security
	1.2 Drug	Drug abuse/drug availability	Safety and Security, Health
	1.3 Crime by Type	Reported crime (violent, property, gang violence, domestic violence, hate, against children, against elders, identity theft & fraud) per 10,000 persons	Safety and Security, Human Relations
Policing	2.1 Arrests	Arrests by crime type, adult vs. juvenile	Safety and Security
Emergency Preparedness	3.1 Citizen Preparedness	Number of individuals certified in CPR/First Aid (per 100,000 population), and/or Count/Size of participants receiving training or certification and/or Number of households with disaster emergency kit/plan	Safety and Security
	3.2 Municipal Evacuation Plans/Capacity	Established, funded department of emergency management or preparedness at various levels of government	Safety and Security
	3.3 Mass Care/Capacity	Amount of Emergency Shelter beds, and/or Evaluation on whether current shelter capabilities meet/exceed standards, and/or Evaluation on whether mass feeding capabilities meet/exceed standards, and/or Number of registered volunteers active in disaster organizations and/or Number of volunteers in private non-disaster organizations	Safety and Security
Corrections	4.1 Prison	Admissions to incarceration (adult/juvenile)per 100,000;daily population	Safety and Security
Criminal Justice System Capacity	5.1 Staffing/budgets	Number of sworn officers per 100,000 residents (or population);number of assistant state's attorneys/public defenders;judges/courthouse personnel;corrections staff	Safety and Security
	5.2 Offender Services/ Treatment Offered	Treatment(drug/mental health)	Safety and Security, Health
Courts	6.1 Court Cases	Sentences imposed vs. cases diverted from formal adjudication	Safety and Security
Transportation System Safety	7.1 Crash Rate Per Capita / VMT	# of crashes per person and per vehicle mile traveled by crash severity and mode	Transportation
	7.2 Transportation	...see Transportation tab for multiple indicators	Transportation
Other	8.1 Recidivism	Offenders returning to prison within 3 yrs	Safety and Security
	8.2 Perceptions of Safety/Security	Confirmed child abuse / neglect reports	Safety and Security, Health
	8.3 Equity	Citizen perceptions of police fairness/ non-bias	Safety and Security
	8.3 Equity	Disproportionate minority contact with crime	Safety and Security
	8.4 Innovation	Crime fighting technology (DNA samples analyzed;surreveillance cameras;GPS tracking)	Safety and Security
	8.5 Incident Response	Incident response time	Transportation

Transportation

Category	Subcategory	Indicator	Groups proposing
System Reliability	1.1 Highway	Planning Time Index: Ratio of the total time needed to ensure 95% on-time arrival as compared to a free-flow travel time.	Transportation
	1.2 Transit	on-time performance	Transportation
	1.3 Aviation	on-time performance	Transportation
	1.4 Inter-Regional Rail	on-time performance	Transportation
System Operations	2.1 Highway Congested Hours	The average number of hours during specific time periods in which at least 20% of the vehicle-miles of travel on instrumented road network is congested. Congestion is defined to occur when link speeds are less than 50 mph.	Transportation
	2.2 Highway Travel Time Index	Ratio of the average peak period travel time as compared to a free flow travel time.	Transportation
	2.3 Transit Passenger Trips per Capita	Number of unlinked passenger trips divided by the population for the six county service area	Transportation
	2.4 Transit Passenger Miles per Vehicle Revenue Hour	Number of unlinked passenger miles divided by the hours that a vehicle is in service, including layover / recovery time, but excluding deadhead time.	Transportation
	2.5 Freight Travel Time	Rail travel time averages and variations across region for intermodal containers and average peak and offpeak travel time for trucks in freight significant corridors	Transportation
	2.6 At-Grade Highway-Rail Grade Crossing Delay	Vehicle-minutes of delay for at-grade crossings/length of time for traffic to recover	Transportation
System Accessibility	3.1 Pedestrian Environment	Weighted pedestrian environment factor	Transportation
	3.2 Transit Connectivity Index	Measure developed by CNT using bus and train system route and service data to estimate the quality of transit in proximity to a census tract	Transportation
	3.3 Transit Oriented Development	% of population and jobs with access to transit	Transportation, Housing, Land Use, Economy
	3.4 Walkability/ Bikeability	Measured as Pedestrian Level of Service (PLOS) and Bicycle Level of Service (BLOS).	Transportation
Travel Choices	4.1 Inter-Regional Destinations Served by Distance	# of destinations served by distance intervals for air (non-stop)/inter-region rail/inter-region bus	Transportation
	4.2 VMT per Capita	Average vehicle miles traveled per person	Transportation
	4.3 Mode Share	% of work trips by mode * As data becomes available this will change from work trips to all trips	Transportation
	4.4 Auto Ownership	Average number of vehicles per hhs	Transportation
	4.5 Percent of Truck Volumes Occurring Off-Peak	Vehicle Classification by Time-of-Day	Transportation

Category	Subcategory	Indicator	Groups proposing
System Maintenance	5.1 Road Condition/ Rating System	Condition Rating. International Roughness Index % above 170	Transportation
	5.2 Bridge Condition	Bridge Condition Rating. % Structurally deficient or functionally obsolete	Transportation
	5.3 Transit Maintenance	Percent of assets in good condition	Transportation
	5.4 Road Condition to Intermodal Facilities	Condition Rating for National Highway System Intermodal Connectors	Transportation
System Investment	6.1 Program Accomplishment/ System Investment	% of Annual Element Accomplished, by Agency and Funding Program and transit capital program implementation	Transportation
	6.2 Consumption by Source (Energy)	Energy consumption and source by sector	Environment, Transportation
System Safety	7.1 Crash Rate Per Capita / VMT	# of crashes per person and per vehicle mile traveled by crash severity and mode	Transportation
Mobility for People with Disabilities	8.1 % Transit ADA	% of rolling stock/stations ADA compliant	Transportation
	8.2 Senior and Para Transit Trips	# or percent of public transit trips made by seniors and persons with disabilities	Transportation
Other	9.1 Safe Routes to School	Communities with Safe Routes to School Programs or plans	Transportation
	9.2 Trails Plan Implementation	% of regional trails plan complete	Transportation
	9.3 Air Quality	Good air quality days per year	Environment, Health
	9.4 Emissions	Annual air emissions	Environment
	9.5 ADA Transition Plan Compliance	Governments with more than 50 employees must develop and implement transition plans to comply with the Americans with Disabilities Act and the Rehabilitation Act.	Transportation
	9.6 Incident Response	Incident response time	Transportation
	9.7 Station-Area TOD Plans	Percent of rail stations or major bus/bus rapid transit corridors covered by an adopted TOD/Station Area Plan with breakout for implementation status	Transportation
	9.8 Greenhouse Gas Emissions	GHG emissions by sector and county for current year	Environment
	9.9 Jobs-Housing Balance	Number and/or % of jobs located near affordable housing	Economic
	9.10 Obesity	Proportion of the population who are obese by selected age cohorts	Health

id	Tab	Subcategory	Indicator	Groups proposing	Civic Involvement	Culture	Economic	Education	Environment	Food	Health	Housing	Reinvestment/ Land Use	Safety	Transportation	Workforce Development
1	Civic	Voting and Elections	% of population, aged 18+ that is registered to vote	Civic Involvement and Human Relations	R											
1.1	Civic	Voting and Elections	% of registered voters voting in the last federal election	Civic Involvement and Human Relations	R											
1.2	Civic	Voting and Elections	Voter turnout, by race	Civic Involvement and Human Relations	R											
3	Civic	Availability of Information	Average daily paid circulation	Civic Involvement and Human Relations	R											
3.1	Culture	Opportunities for Cultural Participation	Dissemination of arts and cultural information—publications, journals, media coverage, etc.	Culture		R										
4	Civic	Campaign Contributions	# of campaign contributions per capita by ZIP	Civic Involvement and Human Relations	R											
5	Civic	Citizenship	% non-citizen	Civic Involvement and Human Relations	R											
6	Civic, Culture, Economic	Support for cultural activities	\$ of dollars contributed to 501(c)(3) divided by aggregate gross income	Civic Involvement and Human Relations, Culture	R	R	R									
7	Civic, Culture	Opportunities for Cultural Participation	Presence of nonprofit (501c3) arts and culture organizations per 1,000	Culture, Civic Involvement and Human Relations	R	R										
8	Civic, Land Use and Reinvestment	Public Facilities	number of selected public facilities per capita (schools, municipal, libraries and others TBD) by tract	Civic Involvement and Human Relations	R								R			
10	Health, Safety and Security	Mass Care/Capacity	Amount of Emergency Shelter beds, and/or Evaluation on whether current shelter capabilities meet/exceed standards, and/or Evaluation on whether mass feeding capabilities meet/exceed standards, and/or Number of registered volunteers active in disaster organizations and/or Number of volunteers in private non-disaster organizations	Safety and Security							R				R	
12	Civic, Health	Self-Assessment	Proportion of persons satisfied with their quality of life	Health	R						R					
15	Safety and Security	Equity	Citizen perceptions of police fairness/ non-bias	Safety and Security												R
16	Housing	Equity	Residential patterns of segregation in housing in the region	Civic Involvement and Human Relations	R							R				
17	Civic	Minority Leadership	Percentage of minority representation in elected and appointed public positions (and the regional legislatures)	Civic Involvement and Human Relations	R											
17.1	Civic, Culture	Regional Cultural Diversity	Expressions of Chicago's regional diversity (demographics; languages spoken; diversity of civic leaders)	Culture	R	R										
18	Civic	Voting and Elections	Level of polarized/crossover voting	Civic Involvement and Human Relations	R											
21	Economic, Environment, Food, Land Use and Reinvestment	Agriculture	Acres of land in farms	Economic, Land Use and Reinvestment, Food			R		R	R			R			
22	Economic, Workforce	Household	Median household income	Economic, Workforce, Civic Involvement and Human Relations	R	R										R
22.1	Economic, Workforce	Individual	Average wages by industry and occupation	Workforce, Civic Involvement and Human Relations	R	R										R
23	Economic, Food, Health, Workforce	Poverty	Percent of population in poverty, extreme poverty, and 200% of poverty level	Economic, Health, Food			R		R	R						R
23.1	Economic, Food, Health, Workforce	Poverty	Percent of population receiving food stamps	Workforce, Food			R		R	R						R
24	Economic, Workforce	Cost of Living	Cost of Living Index (COLI)	Economic, Workforce			R									R
25	Economic, Workforce	Employment	Employment and unemployment rate	Economic, Workforce			R									R
25.1	Economic, Workforce	Jobs per capita	Jobs per capita	Workforce			R									R
25.2	Culture, Economic	Opportunities for Cultural Participation	Number of jobs in nonprofit (501c3), public and commercial arts establishments in relation to all employment	Culture		R	R									
26	Economic, Education, Workforce	Workforce Development	Placeholder for efficacy of workforce development programs.	Economic			R	R								R
27	Economic, Land Use and Reinvestment	Property	Commercial vacancy rate	Economic			R						R			
28	Economic, Land Use and Reinvestment	New Construction	Number of commercial building permits issued	Economic			R						R			

29	Economic	Private Investment	Total number of private business loans	Economic		R			
29.1	Economic	Private Investment	Business loans made to minorities	Civic Involvement and Human Relations	R	R			
30	Economic	Taxing	MSA Rank in Corporate Tax Burden	Economic		R			
31	Economic	Productivity	Gross Regional Product	Economic		R			
32	Economic	Entrepreneurialism	# and % of small businesses started and retained after 2 years	Economic		R			
32.1	Economic	Entrepreneurialism	Small business ownership by minorities	Civic Involvement and Human Relations	R	R			
33	Economic	Import/Export	Value (\$) of goods exported annually vs. value (\$) of goods imported annually	Economic		R			
34	Economic, Housing, Reinvestment and Land Use, Transportation	Jobs-Housing Balance	Number and/or % of jobs located near affordable housing	Economic		R		R	R
36	Economic	Innovation	Number of patents secured by Chicago MSA	Economic		R			
37	Environment, Health, Transportation	Air Quality	Good air quality days per year	Environment, Health		R	R		R
38	Environment, Health, Transportation	Emissions	Annual air emissions	Environment		R	R		R
39	Environment	Stewardship	Participation in clean air programs	Environment		R			
40	Environment, Land Use and Reinvestment	Ambient Water Quality	Number of impaired miles or assessment units (streams, inland lakes, Lake Michigan) over time.	Environment		R		R	
41	Environment, Health	Ambient Water Quality	% of beach days with closure per year	Environment		R	R		
42	Environment	Stewardship	Number of watershed groups and number of plans that meet Nine Elements	Environment		R			
43	Economic, Environment, Land Use and Reinvestment	Demand and Supply of Drinking Water	Use of deep bedrock aquifer and Lake Michigan	Environment		R	R		R
43.1	Economic, Environment, Land Use and Reinvestment	Demand and Supply of Drinking Water	Gallons of water used daily per capita by industrial, commercial, agricultural and residential per county or watershed	Environment		R	R		R
45	Environment, Land Use and Reinvestment	Solid Waste	Amount of municipal solid waste landfilled, recycled, composted	Environment		R		R	
46	Economic, Environment, Housing, Transportation	Energy	Energy consumption and source by sector	Environment, Transportation		R	R	R	R
47	Environment, Transportation	Greenhouse Gas Emissions	GHG emissions by sector and county for current year	Environment		R			R
48	Environment	Quality	Bird counts (plus natural community audits, e.g., woods, grassland)	Environment		R			
49	Environment	Quality	Acreage and grade of INAI sites in NE Illinois by county and community	Environment		R			
50	Environment	Pressure/Threat	Presence of aquatic invasive species by county or HUC 8 drainage	Environment		R			
51	Environment, Land Use and Reinvestment	Natural areas	Open space considered conservation-oriented + value of bond issues over time	Environment		R		R	
52	Environment, Housing	Housing Energy Use	Number of energy efficient homes	Housing		R		R	
54	Housing	Affordable Housing	# and % of regional housing units considered affordable based on IHDA definition	Housing, Civic Involvement and Human Relations	R			R	
55	Housing	Subsidized Housing Units	# of project-based and individual Section-8 housing units (with breakout for expiration risk) and use of Section 8 vouchers	Housing, Civic Involvement and Human Relations	R			R	
56	Housing	Deficit/Surplus by Cost	Number of units available vs. in demand by pricepoint	Housing				R	
57	Housing	Deficit/Surplus by Home Type	Number of units available vs. in demand by type of housing (<market, multifamily, single family)	Housing				R	
58	Housing	Burden	# and % of households paying ≥ 30% of income on gross rent and # and % of households paying ≥ 30% of income on specified owner costs	Housing				R	
59	Housing	Overcrowding	% of occupied housing units with > 1 person per room	Housing				R	
60	Housing	New Housing Starts	# of Housing Starts	Housing				R	
61	Housing	Value	Ratio of median housing value to median income	Housing				R	
62	Housing	Vacancy	# or % of vacant housing units	Housing				R	
63	Housing	Lending	Number (volume) of home purchase and refinance loans	Housing				R	

64	Housing	Foreclosure	Number of foreclosures and/or as a % of total housing units	Housing				R	
64.1	Housing	Foreclosure	# of non-subprime mortgages approved for African American, Latino or Low Income Households	Housing				R	
66	Housing	Innovation	% of municipalities employing identified innovations in housing policy	Housing				R	
67	Environment, Health, Land Use and Reinvestment	Brownfields	Number of potential brownfield parcels or acres	Land Use			R	R	R
67.1	Environment, Health, Land Use and Reinvestment	Brownfields	Annual number of brownfield sites for which NFR letters have been issued	Land Use			R	R	R
67.2	Environment, Health, Land Use and Reinvestment	Brownfields	% of brownfield acres or parcels in tracts with low-income or minority population	Land Use			R	R	R
70	Environment, Land Use and Reinvestment	Development	number of new septic permits issued OR % of parcels on sewer grid	Land Use			R		R
72	Environment, Land Use and Reinvestment	Open space	Acres of non-urbanized land	Land Use			R		R
73	Land Use and Reinvestment	Infill	Acres of infill potential	Land Use					R
73.1	Land Use and Reinvestment	Infill	Acres of converted infill potential	Land Use					R
75	Land Use and Reinvestment	Density	Acres of dense development	Land Use					R
76	Housing, Land Use and Reinvestment	Mixed Use	Parcels of mixed-use development	Land Use				R	R
77	Economic, Land Use and Reinvestment	Electronic/ Communications	Number or % of zipcodes reporting one or fewer broadband carriers	Land Use		R			R
77.1	Economic, Land Use and Reinvestment	Electronic/ Communications	% Zipcodes with One Broadband Carrier in minority or low-income areas	Land Use		R			R
78	Land Use and Reinvestment	Public	Value of public investment in infill and brownfield development	Land Use					R
78.1	Land Use and Reinvestment	Private	Value of private lending for infill and brownfield development	Land Use					R
82	Land Use and Reinvestment	Sustainability	Number of tax sales (properties that have been sold for taxes at a previous time and are about to reach the end of the redemption period)	Land Use					R
83	Housing, Land Use and Reinvestment	Innovation	% of municipalities employing identified innovations in land use regulation	Land Use				R	R
84	Transportation	Highway	Planning Time Index: Ratio of the total time needed to ensure 95% on-time arrival as compared to a free-flow travel time.	Transportation					R
85	Transportation	Transit	on-time performance	Transportation					R
86	Transportation	Aviation	on-time performance	Transportation					R
87	Transportation	Inter-Regional Rail	on-time performance	Transportation					R
88	Transportation	Highway Congested Hours	The average number of hours during specific time periods in which at least 20% of the vehicle-miles of travel on instrumented road network is congested. Congestion is defined to occur when link speeds are less than 50 mph.	Transportation					R
89	Transportation	Highway Travel Time Index	Ratio of the average peak period travel time as compared to a free flow travel time.	Transportation					R
90	Transportation	Transit Passenger Trips per Capita	Number of unlinked passenger trips divided by the population for the six county service area	Transportation					R
91	Transportation	Transit Passenger Miles per Vehicle Revenue Hour	Number of unlinked passenger miles divided by the hours that a vehicle is in service, including layover / recovery time, but excluding deadhead time.	Transportation					R
92	Transportation	Freight Travel Time	Rail travel time averages and variations across region for intermodal containers and average peak and offpeak travel time for trucks in freight significant corridors	Transportation		R			R

93	Transportation	At-Grade Highway-Rail Grade Crossing Delay	Vehicle-minutes of delay for at-grade crossings/length of time for traffic to recover	Transportation	R			R
94	Health, Transportation	Pedestrian Environment	Weighted pedestrian environment factor	Transportation			R	R
95	Transportation	Transit Connectivity Index	Measure developed by CNT using bus and train system route and service data to estimate the quality of transit in proximity to a census tract	Transportation				R
96	Environment, Housing, Land Use and Reinvestment, Transportation	Transit Oriented Development	% of population and jobs with access to transit	Land Use, Transportation, Housing	R	R	R R	R
97	Health, Transportation	Walkability/Bikeability	Measured as Pedestrian Level of Service (PLOS) and Bicycle Level of Service (BLOS).	Transportation			R	R
98	Transportation	Inter-Regional Destinations Served by Distance	# of destinations served by distance intervals for air (non-stop)/inter-region rail/inter-region bus	Transportation				R
99	Transportation	VMT per Capita	Average vehicle miles traveled per person	Transportation				R
100	Transportation	Mode Share	% of work trips by mode * As data becomes available this will change from work trips to all trips	Transportation				R
101	Transportation	Auto Ownership	Average number of vehicles per hhs	Transportation				R
102	Transportation	Percent of Truck Volumes Occurring Off-Peak	Vehicle Classification by Time-of-Day	Transportation	R			R
103	Transportation	Road Condition/ Rating System	Condition Rating. International Roughness Index % above 170	Transportation				R
104	Transportation	Bridge Condition	Bridge Condition Rating. % Structurally deficient or functionally obsolete	Transportation				R
105	Transportation	Transit Maintenance	Percent of assets in good condition	Transportation				R
106	Transportation	Road Condition to Intermodal Facilities	Condition Rating for National Highway System Intermodal Connectors	Transportation	R			R
107	Transportation	Program Accomplishment/ System Investment	% of Annual Element Accomplished, by Agency and Funding Program and transit capital program implementation	Transportation				R
109	Health, Safety and Security, Transportation	Crash Rate Per Capita / VMT	# of crashes per person and per vehicle mile traveled by crash severity and mode	Transportation			R	R R
110	Transportation	% Transit ADA	% of rolling stock/stations ADA compliant	Transportation				R
111	Transportation	Senior and Paratransit Trips	# or percent of public transit trips made by seniors and persons with disabilities	Transportation				R
112	Transportation	Safe Routes to School	Communities with Safe Routes to School Programs or plans	Transportation				R
113	Transportation	Trails Plan Implementation	% of regional trails plan complete	Transportation				R
114	Transportation	ADA Transition Plan Compliance	Governments with more than 50 employees must develop and implement transition plans to comply with the Americans with Disabilities Act and the Rehabilitation Act.	Transportation				R
115	Health, Safety and Security, Transportation	Incident Response	Incident response time	Transportation			R	R R
116	Transportation	Station-Area TOD Plans	Percent of rail stations or major bus/bus rapid transit corridors covered by an adopted TOD/Station Area Plan with breakout for implementation status	Transportation				R
117	Education	K-12	Percentage of students meeting or exceeding state standards in ISAT (overall performance)	Education		R		
118	Education	K-12	Percent of students that meet or exceed standards in reading	Education		R		
119	Education	K-12	ACT scores	Education		R		
120	Education, Health	K-12	Graduation and dropout rate	Education, Health, Civic Involvement and Human Relations	R	R	R	
122	Economic, Education	Higher Education	Degrees conferred by gender, race, national origin, type of institution, level of instruction, field, and type of degree	Education		R R		
122.1	Economic, Education	Higher Education	Degrees conferred (% in technology-related fields)	Economic		R R		
122.2	Education	Higher Education	Average graduation rate of 4-year higher education institutions	Education		R		

123	Education	Early Childhood	% of eligible students (different age classes between 0 and 5) enrolled in funded Head Start, Early Head Start, and other programs (multiple breakdowns)	Education		R		
125	Education	K-12	Student enrollment in public elementary and secondary schools	Education, Workforce		R		
126	Education	Higher Education	Enrollment by level of instruction, type of institution, gender, race, and nature of enrollment (dual-enrollments)	Education, Civic Involvement and Human Relations	R	R		
128	Education	K-12	Disparities in per-pupil spending	Education		R		
128.1	Education	K-12	Breakdown of racially identifiable schools by district spending and school spending	Civic Involvement and Human Relations	R	R		
129	Education, Workforce	Higher Education	Percent of students receiving financial aid (by type of aid, source of aid, and amount of aid)	Education		R		R
131	Education	Early Childhood	% of EC teachers with a BA degree and specialized training in EC	Education		R		
132	Education	K-12	Percent of classes taught by highly qualified teachers	Education		R		
132.1	Education	K-12	Race/ethnicity of educators at K-12 institutions	Education		R		
133	Education	Higher Education	High school's Advanced Placement course offerings	Education		R		
134	Education	K-12	Number of support staff and staff specialists (including librarians, guidance counselors, administrative and support) per student	Education		R		
135	Education	K-12	Class size in urban and suburban schools	Education		R		
136	Education	After School Programming	Total number of students served by before and after school programs	Education		R		
138	Health, Safety and Security	Citizen Preparedness	Number of individuals certified in CPR/First Aid (per 100,000 population), and/or Count/Size of participants receiving training or certification and/or Number of households with disaster emergency kit/plan	Safety and Security			R	R
139	Safety and Security	Municipal Evacuation Plans/Capacity	Established, funded department of emergency management or preparedness at various levels of government	Safety and Security				R
147	Health	Self-Assessment	Proportion of adults reporting that their general health is good to excellent	Health			R	
148	Health	Births	Differences in the infant mortality rate by race, ethnicity, and residency in the CMAP region	Health			R	
154	Health	Cigarette Use	Smoker status (current, former, non-); use of smokeless tobacco (Y/N)	Health			R	
156	Health, Transportation	Obesity	Proportion of the population who are obese by selected age cohorts	Health			R	R
159	Safety and Security	Crime by Type	Reported crime (violent, property, gang violence, domestic violence, hate, against children, against elders, identity theft & fraud) per 10,000 persons	Safety and Security, Human Relations	R			R
160	Safety and Security	Arrests	Arrests by crime type, adult vs. juvenile	Safety and Security				R
161	Safety and Security	Prison	Admissions to incarceration (adult/juvenile)per 100,000:daily population	Safety and Security				R
162	Safety and Security	Recidivism	Offenders returning to prison within 3 yrs	Safety and Security				R
163	Safety and Security	Perceptions of Safety/Security	Confirmed child abuse / neglect reports	Safety and Security				R
164	Safety and Security	Staffing/budgets	Number of sworn officers per 100,000 residents (or population);number of assistant state's attorneys/public defenders;judges/courthouse personnel;corrections staff	Safety and Security				R
165	Safety and Security	Equity	Disproportionate minority contact with crime	Safety and Security				R
166	Safety and Security	Firearm	Firearm deaths/injury	Safety and Security				R
168	Safety and Security	Drug	Drug abuse/drug availability	Safety and Security, Health				R
169	Safety and Security	Offender Services/ Treatment Offered	Treatment(drug/mental health)	Safety and Security, Health				R
170	Safety and Security	Innovation	Crime fighting technology (DNA samples analyzed;surveillance cameras;GPS tracking)	Safety and Security				R
171	Safety and Security	Court Cases	Sentences imposed vs. cases diverted from formal adjudication	Safety and Security				R
175	Food, Health	Hunger	Percent of population that are food insecure	Food		R	R	
175.1	Food, Health	Hunger	Percent of population that are hungry	Food		R	R	

175.2	Food, Health	Hunger	Ratio of population receiving services to need	Food			R	R	
179	Economic, Health, Workforce	Workforce Participation	Rate of workforce participation	Workforce, Civic Involvement and Human Relations, Health, Economic	R	R		R	R
180	Education, Workforce	Educational Attainment	Educational attainment	Workforce, Civic Involvement and Human Relations	R		R		R
181	Education, Workforce	Workforce Development	Adult literacy rate (including ESL)	Workforce			R		R
182	Education, Workforce	Workforce Development	Adult numeracy rate	Workforce			R		R
185	Economic, Workforce	Workforce Development	Number of jobs created or retained as a result of state economic development subsidy	Workforce		R			R
188	Education, Workforce	Workforce Development	Number of institutions offering certification OR certification seeking adult enrollment in educational institutions	Workforce			R		R
201	Environment, Land Use and Reinvestment	Access to open space	Proximity to open space parcels	Environment			R		R
202	Health	Potential Life Lost	Years of potential life lost and morbidity rates by disease	Health				R	
203	Health	Health Insurance Coverage	Number and percent of uninsured individuals by county with breakouts by gender, race, ethnicity and income	Health				R	
204	Health	Health Care Facilities and Professionals	Number and percent of population with access to health care	Health				R	
205	Civic	Social Capital	Social capital indicators TBD, may include measures such as the following:	Civic Involvement and Human Relations	R				
205.1	Civic	Social Capital	Child support payments	Civic Involvement and Human Relations	R				
205.2	Civic	Social Capital	Linguistic isolation	Civic Involvement and Human Relations	R				
205.3	Civic	Social Capital	Local commissions on human relations	Civic Involvement and Human Relations	R				
207	Culture	Opportunities for Cultural Participation	Presence of informal arts and culture opportunities	Culture		R			
208	Culture	Opportunities for Cultural Participation	Participation in nonprofit (501c3) arts and culture events	Culture		R			
209	Culture, Education	Opportunities for Cultural Participation	Presence of arts education in public schools (K-12) (i.e. presence of each discipline in schools; tracking the number of hours dedicated to the arts; number of certified arts specialists who deliver arts curriculum; Number of children/youth in after-school activities	Culture		R	R		
210	Culture, Education	Opportunities for Cultural Participation	Post secondary arts education data (number of institutions, classes or participants)	Culture		R	R		
212	Culture	Support for cultural activities	Support for for-profit arts and culture enterprises	Culture		R			
213	Culture	Support for cultural activities	Participation in informal arts and cultural activities	Culture		R			
214	Culture	Support for cultural activities	Participation in for-profit arts and culture enterprises	Culture		R			
215	Culture	Support for cultural activities	Support for informal arts and cultural activities	Culture		R			
216	Culture	Support for cultural activities	Percent for art program, measuring public art availability	Culture		R			
218	Culture, Reinvestment and Land Use	Historic Preservation	Protection and preservation of historic landmarks	Culture		R			R
219	Culture	Regional Cultural Diversity	Growth in cultural tourism, measured by the number of attendees who live outside the region.	Culture		R			
220	Health	Other	Other vital statistics indicators TBD	Health				R	
221	Health	Dental Care	Indicator TBD	Health				R	
222	Health	Other	Other morbidity indicators TBD	Health				R	
223	Health	Other	Other social health factor indicators TBD	Health				R	
224	Health	Other	Other healthcare indicators TBD	Health				R	
225	Health	Other	Other food indicators TBD	Health, Food				R	R
226	Culture	Sports and Recreation	Other sports and recreation Indicators TBD	Culture		R			