

Appendix S

Monitoring Performance

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Performance Indicators for San Diego Forward:

 The 2019 Federal Regional Transportation Plan

Past and Current SANDAG Performance Monitoring Efforts

Monitoring Performance

The 2019 Federal Regional Transportation Plan (2019 Federal RTP) builds upon preceding regional plans to provide a vision and infrastructure investment plan for the region. The 2019 Federal RTP summarizes where the region is, where the region wants to be by 2050, and what the region needs to do to get there.

Historically, the San Diego Association of Governments' (SANDAG) plans have included performance indicators to monitor the region's progress in reaching the plans' goals. Traditionally, these indicators have relied upon available data – both current and historical – collected by SANDAG to demonstrate whether the region is making progress toward implementing its plans. With each new plan, SANDAG attempts to maintain a certain degree of continuity among the performance indicators. The lists of indicators are revised periodically as new plans are adopted, based on data availability and emerging policy areas. As a result, in some cases new indicators are added, and in some cases previous indicators are modified or dropped in favor of alternative indicators that may be more meaningful in relation to the new plan.

Performance Indicators for the 2019 Federal Regional Transportation Plan

The performance monitoring indicators for the 2019 Federal RTP follow the overall vision and goals for the Plan and are grouped into the plan's three goal categories of supporting a healthy environment and communities, creating a more vibrant economy, and incorporating innovative mobility and planning. The indicators are meant to capture a snapshot of regional areas of importance – in other words, how the region is doing in these general areas. Other monitoring reports, such as the SANDAG State of the Commute, for example, provide more detailed information on subject-specific areas.

Table S.1 shows the performance indicators for the 2019 Federal RTP and the data sources for each of the indicators. Indicators that support social equity, the three Es of sustainability, public health or statewide performance are also noted in Table S.1.

SANDAG prepares performance monitoring reports for the Regional Transportation Plan on a cycle that complements the plan development. Reviewing key outcomes every several years will provide a foundation for preparing future updates to the plan.

Table S.1**Performance Monitoring Indicators and Data Sources**

Indicator	Data Source
Healthy Environment & Communities	
Habitat conserved within designated preserve areas	2011 Annual Monitoring Report, Local Jurisdictions
Beach Widths	SANDAG Regional Beach Monitoring Report
Air quality ^{1,2}	San Diego County Air Pollution Control District
Fatalities/Serious injuries per Vehicle Miles Traveled ^{2,3}	California Highway Patrol, Statewide Integrated Traffic Records System (SWITRS)
Share of new housing units and jobs located in Smart Growth Opportunity Areas ²	SANDAG Current Estimates Program
Share of new housing units within County Water Authority water service boundary	SANDAG Current Estimates Program
Water consumption	San Diego County Water Authority Annual Reports
Diversity of water supply	San Diego County Water Authority Annual Reports
Diversity of energy supply and use	San Diego Gas & Electric Power Content Label
Electric and natural gas consumption by sector	California Energy Commission
Vibrant Economy	
Travel times to jobs ^{2,3}	American Communities Survey (ACS)
Real per capita income, compared with California and the United States ^{1,2}	U.S. Bureau of Economic Analysis
Regional poverty rate, compared with California and the United States ²	ACS, to show 200% of the federal poverty rate for San Diego County, California
Percent of households with housing costs greater than 35 percent of income ^{2,4}	ACS
Annual income needed to afford fair market rent ^{2,4}	Out of Reach, National Low-Income Housing Coalition
Regional Crime Rate	SANDAG Criminal Justice Research Division
Innovative Mobility & Planning	
Travel times and volumes for all modes ¹	Caltrans Performance Measurement System (PeMS), SANDAG Passenger Counting Program, Regional Bike/Pedestrian Counter Network
Commute mode share ^{2,3}	ACS
Annual transit boardings ⁴	Annual Boardings Data, MTS, NCTD, SANDAG
Border wait times	U.S. Customs and Border Protection
Border crossing volumes	Border Crossing/Entry Data, based on the U.S. Department of Homeland Security, Customs and Border Protection
Alternative fuel vehicle ownership	Clean Vehicle Rebate Program (ARB)

¹ Three E's Indicator

² Indicator relates to Public Health

³ Statewide Performance Monitoring Indicator

⁴ Indicator relates to Social Equity

Past and Current SANDAG Performance Monitoring Efforts

SANDAG has conducted a number of performance monitoring efforts which are summarized in the sections below.

Indicators of sustainable competitiveness

In 2002 and 2005, SANDAG and the San Diego Regional Economic Development Corporation collaborated with the Competitiveness Index Advisory Committee to produce an indicators study that provides a reliable and timely source of information that evaluates and monitors our regional progress in many areas that help to determine our region's livability.

The Indicators of Sustainable Competitiveness report was last updated in 2011. It compares San Diego to 19 other metropolitan regions and the United States as a whole in the three Es: (1) Economy, (2) Environment, and (3) Equity. It does so by measuring performance in 16 indicator components, then ranking the regions and the United States on the scale of 1st, 2nd, 3rd, and so on through 21st, with a lower score being better. The indicators are shown below.

- **Economy:** Per Capita Income, Venture Capital/Business Climate, Goods Movement Investment, Research Grant Funding, Patents Authorized, Educational Attainment
- **Environment:** Air Quality, Toxins Released into Air and Water, Water/Sewer/Trash Investment, Habitat Preservation, Energy Used to Commute to Work
- **Equity:** Income Distribution, Housing Affordability, Mass Transit Investment, Transportation Congestion, Early Childhood Education

Statewide performance monitoring report

Through an effort funded by the Strategic Growth Council, SANDAG, other California MPOs and state agencies, such as the California Air Resources Board (ARB), California Transportation Commission (CTC), Caltrans and other state agencies worked to develop a statewide performance monitoring framework, which was completed in 2013. A set of nine indicators, which could be monitored using statewide and regional data sources, was identified and methodologies were developed. These indicators account for the diversity of California in terms of smaller and larger regions, more rural and more urban regions; utilize available statewide data sources; and are consistent with the performance goals established in MAP-21, including congestion reduction, infrastructure condition, system reliability, safety, among others.

Regional Comprehensive Plan (RCP)

In 2006, SANDAG released the Regional Comprehensive Plan: Establishing a Baseline for Monitoring Performance (Baseline Report), to be used to benchmark progress on an annual basis. Annual indicators were selected as part of the RCP, based upon key policy areas and data availability. Following the Baseline Report, SANDAG prepared performance monitoring reports in 2007, 2008, and 2009. In September 2010, the SANDAG Board of Directors approved a new schedule for reporting – on a biennial versus annual basis. The list of indicators has been revised periodically as new plans have been adopted to reflect indicators included in those plans. The 2012-2013 Biennial Performance Monitoring Report was the fifth since the Baseline Report was accepted by the SANDAG Board of Directors in 2006. Following the 2012-2013 Biennial Performance Monitoring Report SANDAG transitioned to a monitoring program that more closely aligned with Regional Plan development process and timeline.

The 2018 Regional Monitoring Report was accepted by the SANDAG Board of Directors on January 25, 2019.

Federal Performance Management

Separate efforts address required federal performance measures in the areas of safety, infrastructure condition, and system performance as well as transit asset management. The Federal System Performance Report details these performance measures, the data behind them, regional targets, and efforts underway to meet these targets (see Appendix D).

Conclusions

Performance monitoring is an important element of the planning process. SANDAG is committed to ongoing performance monitoring efforts as a key tool for assessing the effectiveness of regional planning efforts, including the Regional Transportation Plan. SANDAG will pursue opportunities to prepare future monitoring reports in an online format to provide the most current, easily accessible data.