

Los Angeles Infrastructure Projections & Findings Released from Siemens' Urban Development Experts

- **Key Findings of Siemens' City Performance Tool indicate that to achieve its sustainability goals, Los Angeles would need to transition to 100% generation of renewable electricity and 45 percent passenger travel by transit and active transport by the year 2050.**
- **With this transformation in energy and transportation, LA would reduce greenhouse gas emissions by nearly 70% by 2035 and more than 85% by 2050.**
- **Effective implementation of the technologies could also result in more than 1.8 million jobs being created by 2050.**

Siemens, in conjunction with the Los Angeles (LA) Mayor's Office of Sustainability, published its [LA City Performance Tool Report](#), identifying potential measures to achieve the City's 2015 [Sustainable City pLAN](#) goals. Los Angeles is a leader in U.S. city sustainability goals. Mayor Eric Garcetti is the co-founder and chair of Climate Mayors, a group of more than 400 mayors representing 69 million residents. The pLAN sets targets for LA to reduce GHGs 60% by 2035 (60x35) and by 80% by 2050 (80x50) relative to 1990 across all GHG emissions sectors. The pLAN is a roadmap to ensure a more equitable, prosperous and cleaner city for all residents.

"Siemens analyzed Los Angeles infrastructure data through its City Performance Tool, a data-driven tool that allows cities to make informed infrastructure decisions, through the lens of the sustainability goals. The analysis found that Los Angeles would need to transition to 100% generation of renewable electricity and 45 percent passenger travel by transit and active transport to achieve its goals," stated Martin Powell, Head of Urban Development for Siemens. "In addition to the current policies in place this is achievable through the implementation of 11 transportation and four building technologies. The implementation will result in nearly 70% emissions reductions by 2035, more than 85% reductions by 2050 and 1.8 million jobs."

The 11 transportation technologies include a number of electric mobility options including electric cars, electric buses and electric highways. The uptake of these technologies would drive up transportation electricity consumption by 1500% by 2050. Therefore, the report finds that a modernize grid must be the highest priority. In addition, software must be implemented to understand when, where and why electricity is being used and providing predictive analytics for grid maintenance. With the implementation of this infrastructure, the city would achieve its sustainability goals, increase resiliency, and improve the quality of life of LA residents. It would also create more than 1.8 million jobs by 2050.

Siemens is committed to using technology as a tool to advance the common good through its Business to Society platform. With more than 4,000 employees in the state of California, including its Sacramento, CA Mobility manufacturing facility, the organization supports the state's sustainability goals through its building technology, energy management, mobility, healthcare and PLM software solutions which stretch Northern to Southern California.

About the Siemens City Performance Tool

Launched in 2015, a growing list of cities are implementing the Siemens City Performance Tool to leverage data for infrastructure decision-making plans and programs as part of their broader sustainability initiatives. U.S. cities currently testing or using the tool include Boston, MA; Charlotte, NC; Los Angeles, CA; Minneapolis, MN; New Bedford, MA; Orlando, FL; Pittsburgh, PA; Portland, OR; Riverside, CA; San Francisco, CA and Washington, D.C.

This press release, photos and additional material are available at <http://news.usa.siemens.biz>.

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