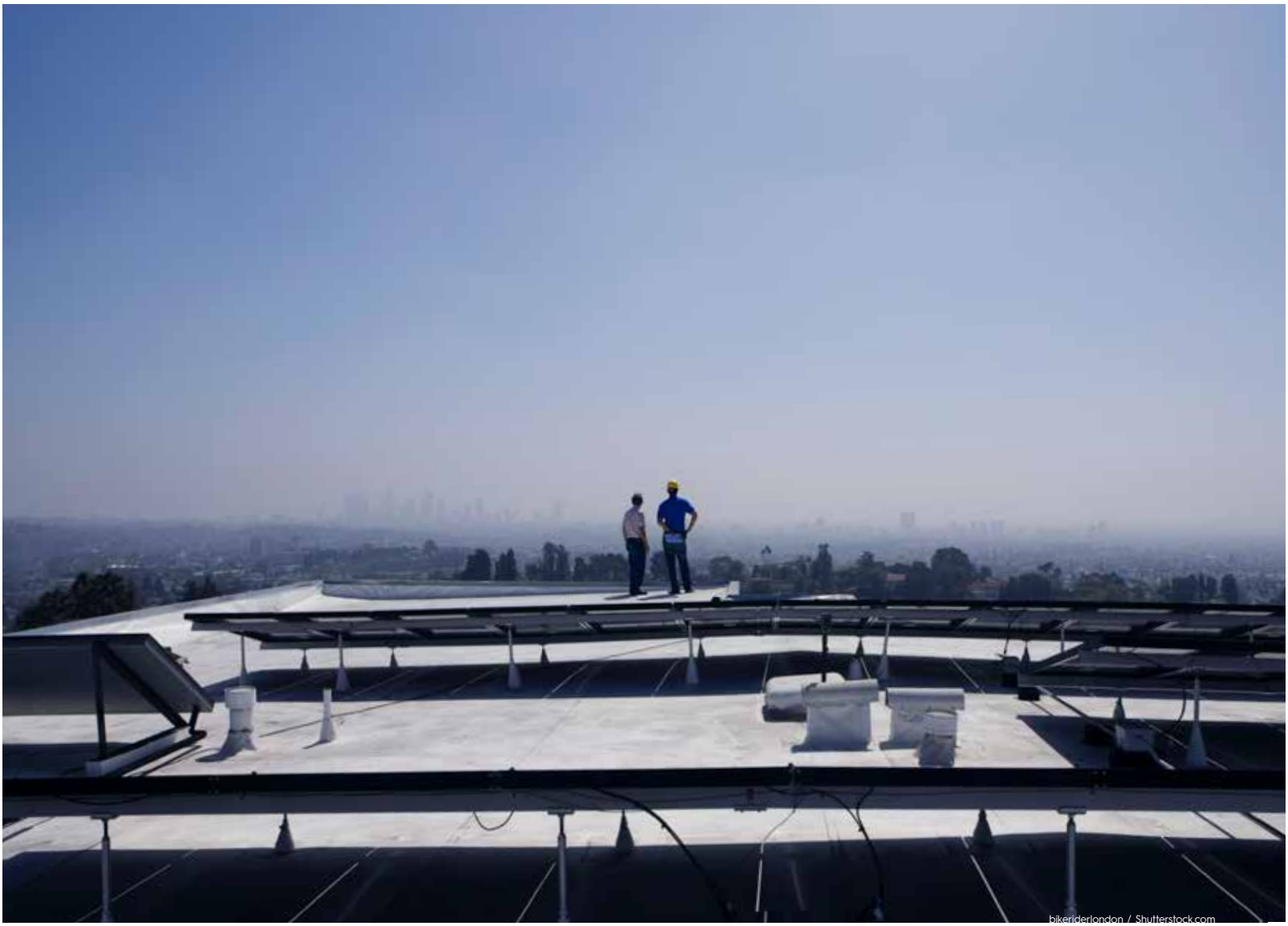


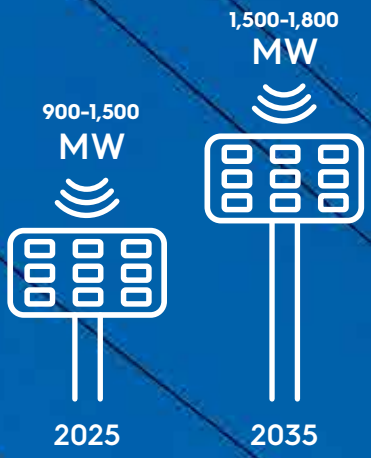
Local Solar Power

Production of electricity from fossil fuels creates pollution, including smog and green house gas emissions. Combining the abundance of sunshine our city enjoys with the advantage of owning our own municipal utility, Los Angeles's investment in solar is generating clean power, reducing pollution, and improving grid reliability. Solar energy installed in Los Angeles creates local green jobs for Angelenos, helps drive innovation, and — when combined with back-up battery storage — helps keep the city moving in the event of a disaster. LA has become a leader in solar through the feed in tariff and net metering programs, and will become an increasing national and global leader moving forward.

VISION

We increase LA's clean and resilient energy supplies by capturing the energy from our abundant sunshine

Local Solar Power



Increase cumulative total megawatts (MW) of local solar photovoltaic (PV) power

Energy Storage

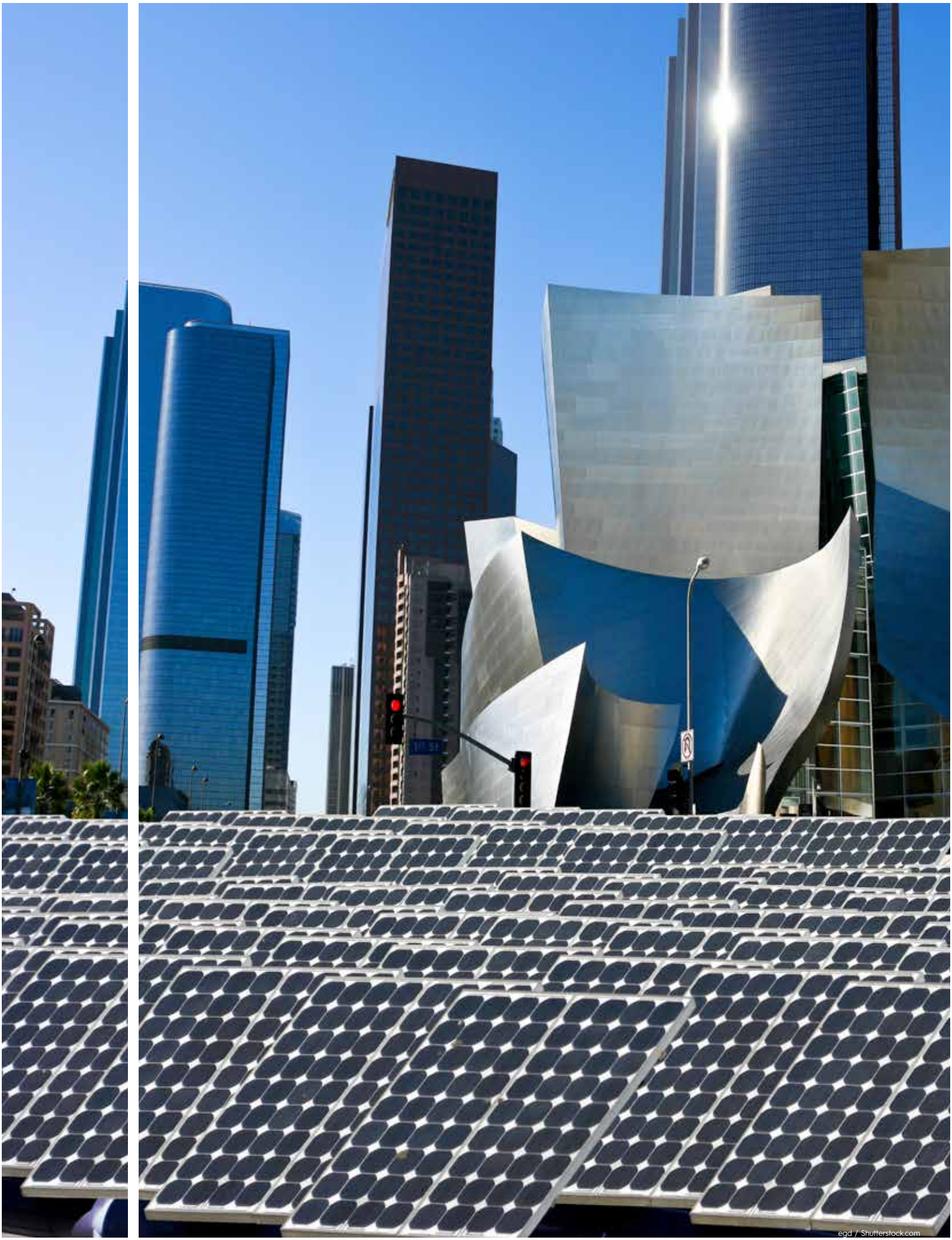
Increase cumulative total MW of energy storage capacity to at least 1,654 MW by 2025

2017

Install at least 1 MW of solar on LA Convention Center rooftop

DID YOU KNOW?

- Los Angeles receives more than 250 days of sunshine per year and has enough rooftop space to hold 5,500 MW of solar power.
- Los Angeles's aging grid must be modernized in preparation for the increase in electric vehicles being charged, to accommodate residential battery storage, and to prepare for increased amounts of local solar energy.
- A severe earthquake could cause LA to be without power for two weeks or more, making distributed energy generation and storage especially important.



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Local Solar

LA's Leadership To Date

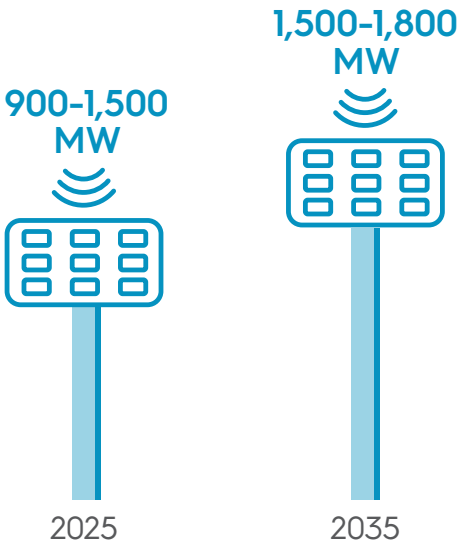
- LA has the greatest amount of solar power — in terms of installed capacity MW — of any US city.
- LA is already a leader in energy storage thanks to the LADWP Castaic Pumped-Storage Plant that provides more than 1,500 MW of energy storage.
- LA has the nation's largest solar feed in tariff program.

Targets

Long-Term Outcomes

Solar Power:

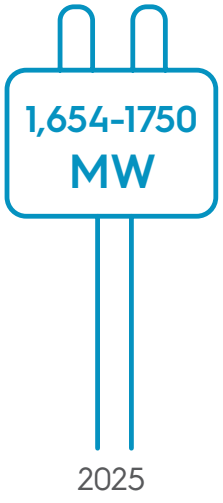
- Increase cumulative total megawatts (MW) of local solar photovoltaic (PV) power to:



132 MW installed as of Dec. 2014. Source: LADWP.
Ranges are stretch goals are based on current and future IRP analysis. See 2017 IRP outcome below.

Energy Storage:

- Increase cumulative total MW of energy storage capacity to at least:



Outcome projects 154 MW to 250 MW of storage beyond the capacity of DWP's Castaic Pumped-Storage Plant. Ranges are based on current IRP analysis and subject to change based on price adjustments, technology developments, future regulatory requirements, and implementation capacity.

2017

Near-Term Outcomes

- Increase installed capacity of local solar PV to 400 MW, with authority for an additional 200 MW
- Reduce residential solar PV interconnection wait time to less than two weeks
- Install at least 1 MW of solar on LA Convention Center roof
- Increase total cumulative MW of energy storage capacity to 24 MW (exclusive of Castaic Pump-Storage Plant)
- Upgrade Castaic Pumped-Storage Plant to accommodate intermittent renewable energy sources
- Launch a revised Integrated Resource Plan (IRP) process that includes in the 2015 and/or 2016 IRP a local solar scenario that achieves the long-term stretch goal outcomes. This scenario will include a robust analysis of reliability, pricing, overall greenhouse gas reductions, future RPS regulatory targets and definitions, and the potential need to shift away from planned investments in fossil fuel power generation. Technical studies on increased renewable penetration, commensurate renewable integration technologies, energy storage, and transportation electrification will be included in this IRP scenario.

Strategies & Priority Initiatives

VISION

We increase LA's clean and resilient energy supplies by capturing the energy from our abundant sunshine.

Expand local PV development programs

- Continue funding of Solar Incentive Program (SIP) and expand incentives/capacity for net metering
- Expand capacity of Feed in tariff (FiT) program
- Expand affordable housing solar program to additional low-income customers.

Implement community solar & virtual net metering

- Implement virtual net metering
- Start community solar program

Accelerate permitting and adoption of rooftop PV

- Create standard plans and online submittal for residential solar PV systems (up to 10 KW)
- Integrate Department of Building and Safety and Department of Water and Power solar inspection procedures
- Expand solar-ready new construction requirements to retrofit projects
- Leverage partnerships with private and public sector property owners to advance solar in LA
- Facilitate development of California Solar Permitting Guidebook

Enhance energy storage

- Pilot multiple energy storage projects, including Castaic upgrade, thermal energy storage, and battery storage/microgrid projects

Enhance energy storage (cont.d)

- Pilot technology for dispatchable and customer-side storage
- Streamline permitting and interconnection processes for residential energy-storage projects

Develop grid-tied backup solar and modernize Los Angeles's energy grid

- Implement Port Energy Management Action Plan (EMAP)
- Pilot backup power projects at critical facilities
- Fund electrical-grid upgrades through the Power Reliability Program facilitates high penetration of renewables
- Create bidirectional smart grid to prepare for large-scale adoption of electric vehicles (EVs)
- Use smart-grid technologies to monitor and track energy-efficiency progress
- Implement demand management solutions

Lead by example with solar installations on new and existing City projects

- Install solar on LA Convention Center roof
- Create PV installation requirement for City projects
- Create financing tool for PV installation on existing City buildings
- Assist Port of LA in adding solar PV installations (at least 10 MW)

This Page:
- Strategies
- Priority Initiatives