



Los Angeles
Department of
Water & Power



**LOS ANGELES DEPARTMENT OF WATER AND POWER
(LADWP)**

Distributed Energy Resources

California Planning – Los Angeles Considerations





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Future Obligations

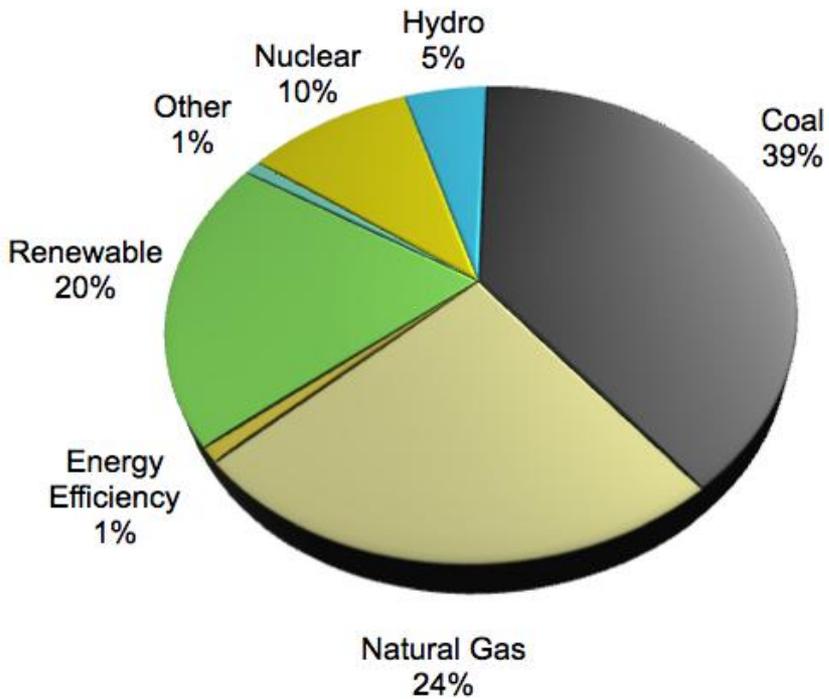
- Reaching 33% Renewable & at least 8% energy efficiency by 2020.
- Eliminate Once-Through Cooling in LADWP's coastal power plants.
- Exiting coal-fired generation.
- Integrating renewable supply.
- Rebuilding an aging electric system.
- Upward rates pressure.

**What is the future of distributed generation
in CA & Los Angeles?**

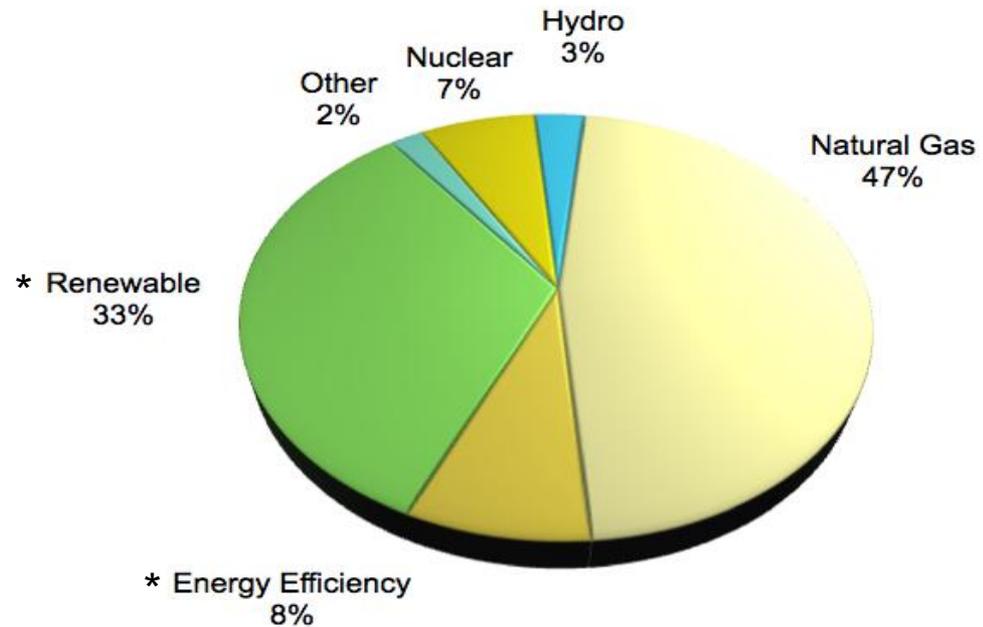


Shift in Energy Supplies

2010



2027 (or earlier)

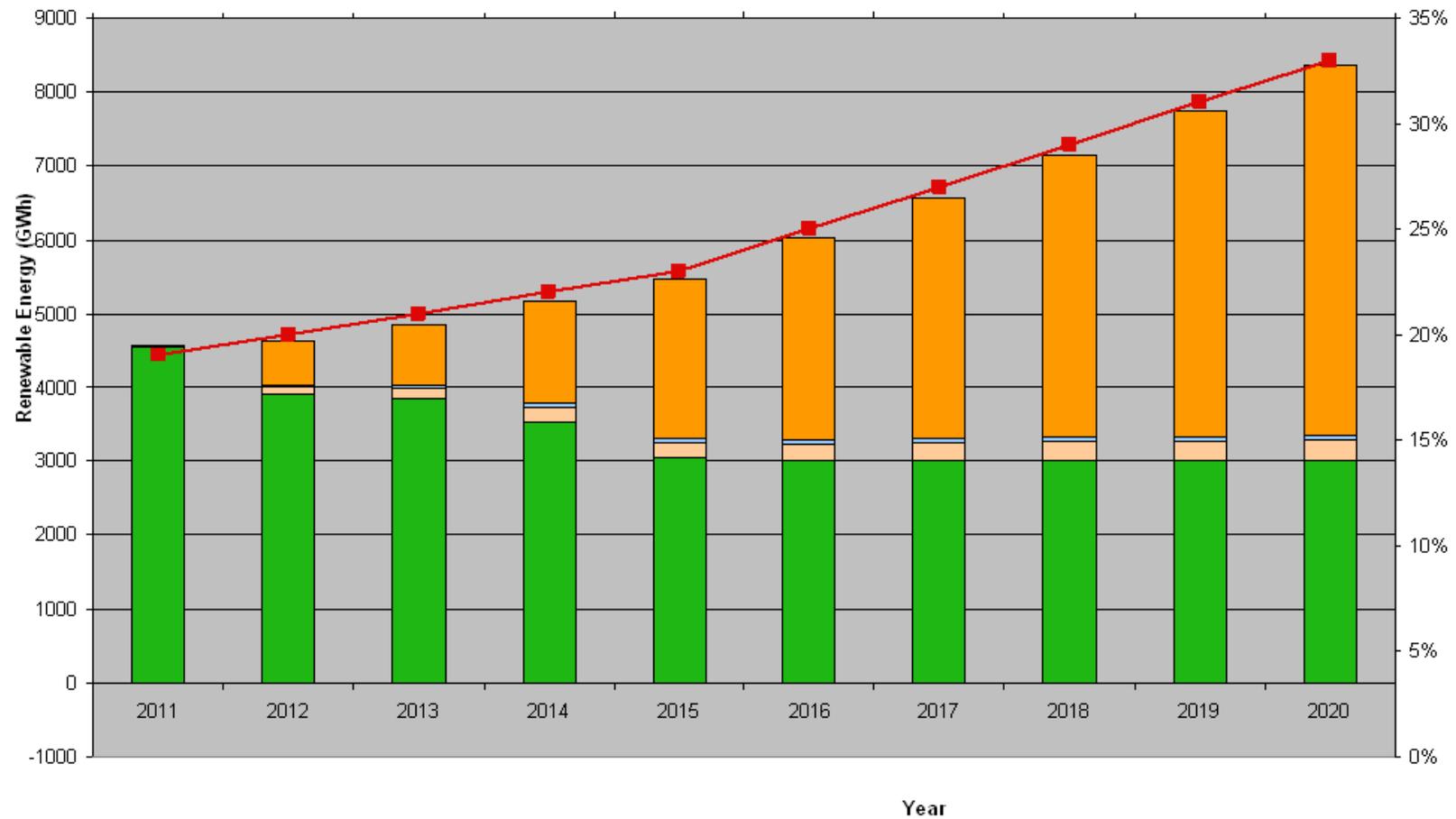


***by 2020**



Future Renewable Portfolio – Incremental Needs

LADWP RPS Supply and Goal 2011-2020
(All Figures in GWh)

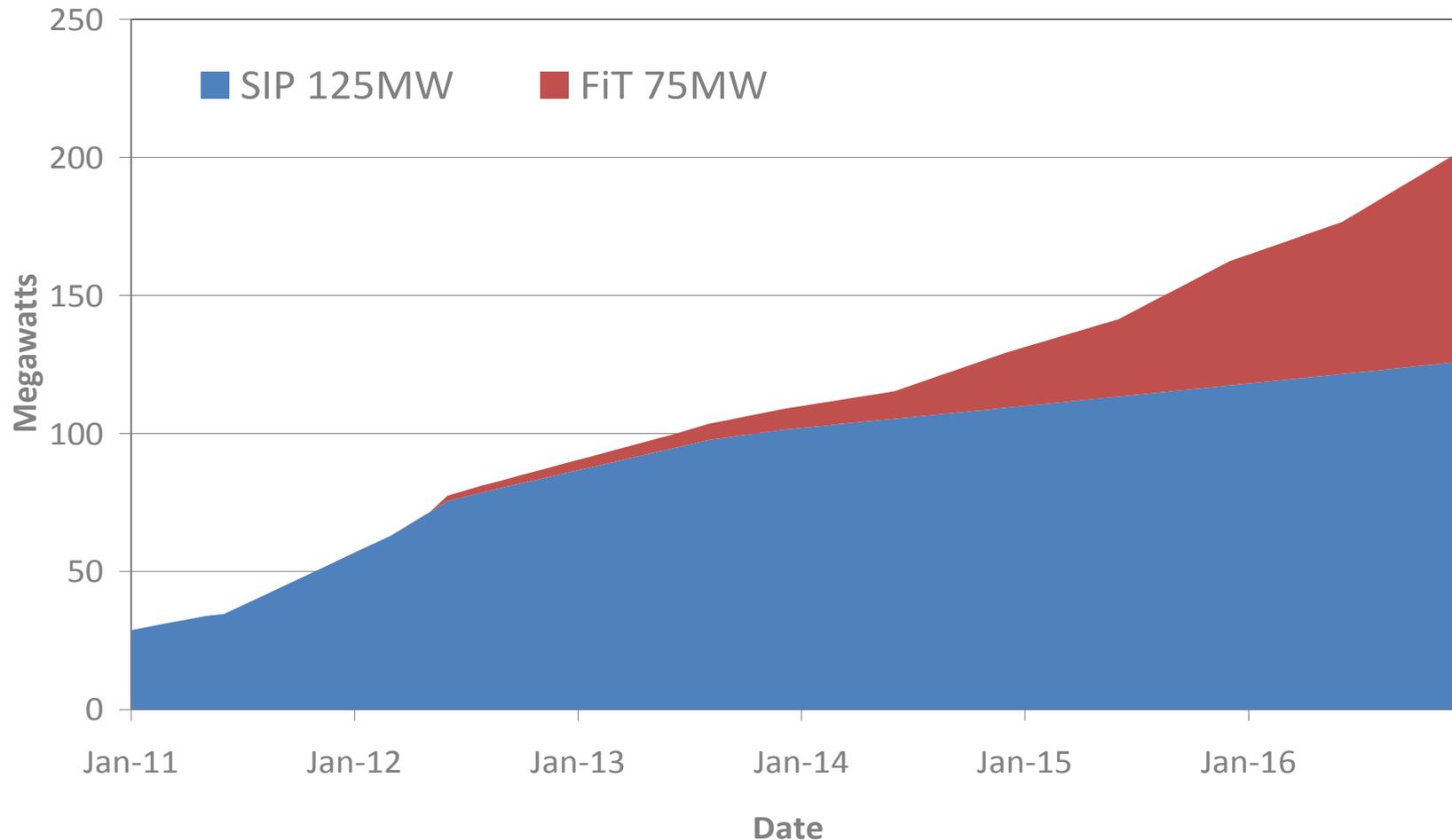




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Feed in Tariff & Solar Incentive Program Capacity

FiT and SIP Cumulative Installed Megawatts





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DG Mandate Challenges for LADWP

- If LADWP's share of statewide DG investment is 1,200 MW = 35% to 40% of LADWP's Average Load
- Issues:
 - What is the definition of DG?
 - How do we provide for dispatchability?
 - Does DG mandate conflict with energy efficiency?
 - Would demand response “count” as DG?



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Conclusion

LADWP supports an effective DG program that:

- compliments existing energy resources goals and mandates
- fosters new technology development,
- improves grid stability
- creates potential new opportunities for our customers to add to our local DG portfolio; and
- expands local jobs.