

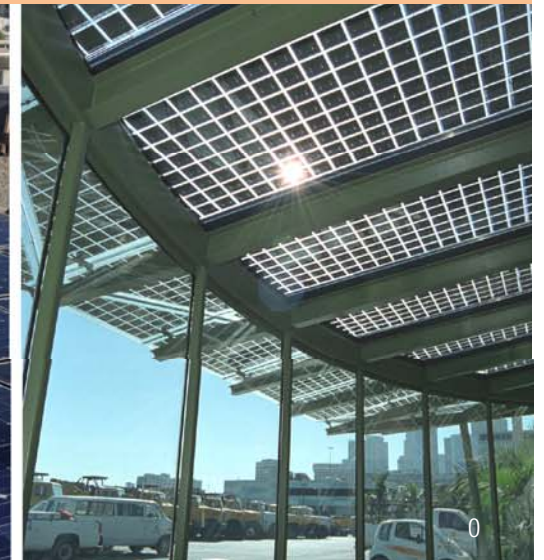
LA

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Los Angeles  
Department of  
Water & Power



# LADWP Feed-in Tariff Solar Conditional Use Permit January 12, 2015



# LADWP's Solar Programs

## ☀️ **Solar Incentive Program**

121 MW installed and \$255 million incentives paid  
Goal to install 280 MW by 2016 and 310 MW by 2020

## ☀️ **Feed-in Tariff Program**

FiT100 - 100 MW Set Pricing Program (60 MW of Active Projects/ 118 MW in Queue)  
FiT50 - 50 MW Competitive Bid (50 MW In-Basin bundled with 200 MW large-scale PPA)  
Expanded FiT – Currently in development

## ☀️ **Utility Built Solar Program / Community Solar Program**

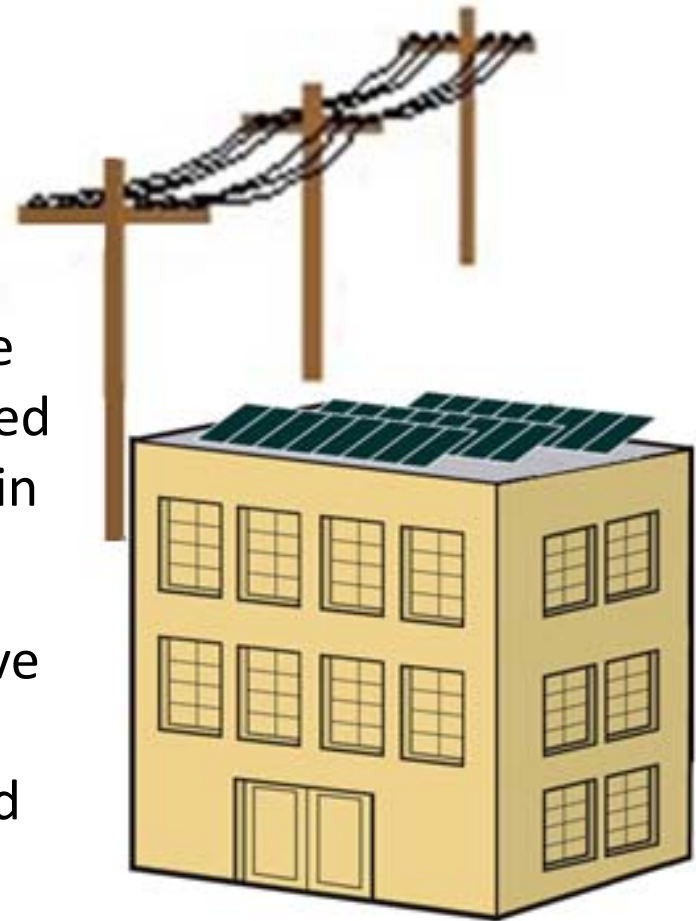
22 MW of LADWP built solar currently operating  
Evaluating in-basin local solar project on LADWP & City properties  
Provide solar access to **ALL** of LADWP customers

## ☀️ **Large-Scale Power Purchase Agreements (PPA)**

Board approved 870 MW of solar PPAs  
Negotiations continue on other renewable projects

# What is a FiT?

- ☀️ FiT is a mechanism that supports renewable distributed generation (DG) within our service territory by offering a standard contract for power delivered to our distribution grid
- ☀️ FiTs have been successful in getting large quantities of renewable energy developed in Europe – especially Germany and Spain
- ☀️ After gaining ‘Lessons-learned’ from German Delegation and holding extensive outreach w/ Stakeholders - LADWP launched FiT Demonstration, FiT100, and FiT50



# Feed-in Tariff Timeline

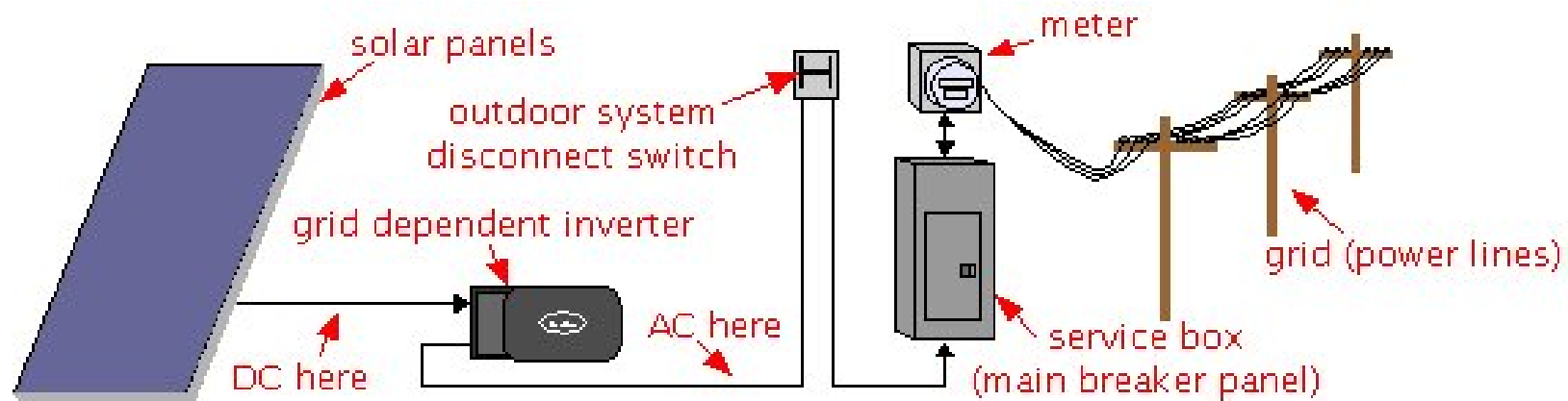
- ☀ On October 11, 2009, the Governor of California signed into law Senate Bill (SB) 32 requiring LADWP to offer a FiT program of at least 75 megawatts (MW).
- ☀ On May 17, 2012, Ordinance No. 182108 became effective, authorizing the Board of Water and Power Commissioners (Board) to enter into up to 150 MW of long-term FiT contracts.
- ☀ On September 27, 2012, the Governor of California signed into law SB 1332 requiring publicly owned utilities to adopt a FiT program by July 1, 2013.
- ☀ On January 11, 2013, the Board authorized the first FiT program.

# FiT Program Objectives

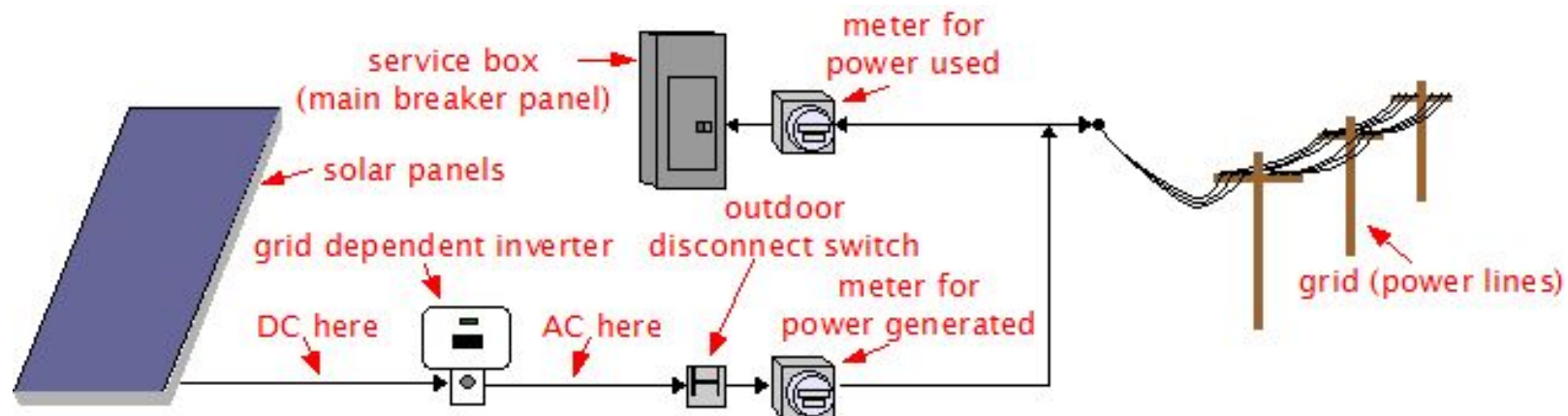
- Comply with state mandate – **Senate Bill 1332**
- Create an additional solar power opportunity beyond the existing Solar Incentive Program
- Encourage electrical generation from renewable resources close to load centers
- Balance renewable portfolio for reliability via geographic and technology diversity
- Local economic development

# SIP vs FiT System

## Net Metered System



## Feed-in Tariff System



# Typical SIP System



# Typical FiT System





# FiT 100 Status

	Offering Date	Offering (MW)	Active (MW)	Waitlist (MW)	Cancelled (MW)	In-Service (MW)
Demonstration Program	May 17, 2012	10.0	0.0	0.0	5.6	1.6
1st Allocation (\$0.17/kWh)	February 1, 2013	20.0	11.9	71.2	28.2	1.6
2nd Allocation (\$0.16/kWh)	July 8, 2013	20.0	14.9	32.4	16.5	2.2
3rd Allocation (\$0.15/kWh)	March 17, 2014	20.0	14.9	17.9	9.4	0.0
4th Allocation (\$0.14/kWh)	August 25, 2014	15.0	11.5	2.9	0.0	0.0
<b>5th Allocation (\$0.13/kWh)</b>	<b>Q1 2015</b>	<b>25.0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

☀ 11 projects currently in-service totaling 5.4 MW

# FiT 50 Status

- Two Contracts Awarded for FiT50
  - SunEdison (22 MW local)
  - Hecate (28 MW local)
- Average FiT50 Price: \$0.125 per kWh
- SunEdison and Hecate have partnered with local solar developers Permacity and Absolutely Solar, respectively, to assist with securing participants in the FiT50 program
- First 1/3<sup>rd</sup> COD milestone is due June 2015

# Ground Mount FiT Projects

- ☀️ LADWP has 75 MW obligation towards SB 1332
- ☀️ SB 1332 calls for a program that is open to all eligible renewable technologies
- ☀️ Intent of LA's FiT was to create additional uses of urban rooftops in dense LA

Allocation	1	2	3	4	Total
Capacity (MW)	20	20	20	15	75

- ☀️ Cannot retroactively make changes to Active projects in FiT100
- ☀️ Carports are not considered ground mount solar

## Dept. of City Planning: CUP Requirement

- ☀ September 18, 2014 Dept. of City Planning issued a Zoning Administrator's Interpretation Case No: ZA 2014-3398(ZAI) to require a conditional use permit (CUP) for solar FiT projects
- ☀ LADWP conducted outreach sessions on September 23<sup>rd</sup>, 2014 and on November 5<sup>th</sup>, 2014
- ☀ In November of 2014, LADWP consulted with Dept. of City Planning in the development of a Master CUP application to help define a process for certain FiT projects
- ☀ On December 11, 2014, LADWP and Department of City Planning presented and answered questions at the Valley Alliance of Neighborhood Councils

# Master CUP Application

- ☀ On December 11<sup>th</sup>, 2014 LADWP submitted an application for a Master CUP
- ☀ Master CUP proposes rooftop and carport projects in multifamily, commercial, public facility, and industrial zones to be permitted by administrative clearance
- ☀ All other solar FiT projects would continue to seek an individual CUP
- ☀ Master CUP would apply to existing and future FiT projects
- ☀ Application is a procedural request, no development project is being proposed
- ☀ Master CUP application process will include public input and require Planning Commission approval

# Key Dates & Events

January 12, 2015

Staff Hearing for Solar CUP

February 26, 2015

City Planning Commission Hearing  
Van Nuys City Hall, 2<sup>nd</sup> Floor  
14410 Sylvan St  
8:30 AM

March 2015

Launch 5<sup>th</sup> Allocation FiT (25 MW)

(Q3-Q4) 2015

Launch Expanded FiT

[www.ladwp.com/fit](http://www.ladwp.com/fit)

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