Los Angeles Department of Water and Power
LA100 Plan

Community Meetings Summary
June 2025

Overview

The LA100 Plan, formerly known as the Power Strategic Long-Term Resource Plan (SLTRP), is the Los Angeles Department of Water and Power's (LADWP) long-range blueprint identifying the future mix of renewable resources for providing reliable, environmentally responsible electric service to the City of Los Angeles. The LA100 Plan lays out a balanced set of near-term actions and long-term goals for increasing renewable and energy efficiency resources, reducing greenhouse gas emissions, and upgrading aging infrastructure.

In June 2025, LADWP hosted four virtual community meetings to share information with community members, answer questions, and seek input. This summary provides an overview of the community input heard at each virtual community meeting. The contents include the meeting purpose, notification and invitation process, schedule and meeting format, major themes from community feedback, and two appendices: (A) presentation slides and (B) documentation of questions and comments.

Meeting Purpose

The community meetings were guided by two primary objectives:

- Provide updates about the Los Angeles Power System and transitions to clean energy, including communities and customers in the LA100 Program
- Actively listen to the public's questions and input and provide answers and ideas

Notifications and Invitation Process

LADWP used the following methods, in both English and Spanish, for inviting community members and other stakeholders to register for and attend the meetings:

- Community e-newsletters
- Social media campaign
- Email notifications
- Project Website

Schedule, Attendance, and Languages

Four virtual meetings were conducted, using the same format for consistency and equity, on different days of the week to increase accessibility. The schedule and attendance of community members are noted below. The total number of attendees was 143:

- Monday, June 23, 6:00-8:00 pm, 43 attendees
- Wednesday, June 25, 6:00-8:00 pm, 29 attendees
- Thursday, June 26, 6:00-8:00 pm, 36 attendees
- Saturday, June 28, 10:00 am-12:00 pm, 24 attendees

All meetings were conducted in English with Spanish interpretation and translation. The meeting registration form included an option for people to request other languages.

Format

Each meeting began with the facilitator welcoming participants and providing information about the meeting agenda and ways to participate, including instructions for simultaneous interpretation. Next, representatives from the LADWP project team provided a community-oriented presentation about the LA100 Plan, followed by a question-and-answer session.

Major Themes from Participant Input

After the presentation, participants had the opportunity to share questions and make comments. The following section summarizes major themes from all four virtual community meetings. Participants expressed concerns, provided comments, or asked questions in four primary areas: energy efficiency programs, green hydrogen, LA100 Plan timeline, and rates and energy burden. The notes in Appendix B provide comprehensive documentation of the full range of input received during the meetings. Themes are listed alphabetically, and the order does not indicate prioritization or relevance.

Energy Efficiency Programs

Several participants commented on the transition to renewable energy and the need for energy efficiency programs to support communities in the transition process. A few participants expressed interest in solar programs, such as the Feed-in-Tariff (FiT) Program and requested additional information about other programs that are geared towards residential neighborhoods. One participant highlighted the LA Level Pay Program as a great resource to budget and forecast utility bills.

Green Hydrogen

Input included questions and comments on how LADWP will produce, transport, and store green hydrogen. Several participants expressed concerns about impacts to the environment due to potential leaks, its flammability, and nitrogen oxide (NOx) emissions. A few participants questioned the availability of green hydrogen, highlighting that it is not currently commercially available, and asking what outcomes would be if green hydrogen does not materialize. Some

participants also expressed concern with its cost and how uncertainties around green hydrogen could impact the overall LA100 Plan timeline. Two participants highlighted the need for hydrogen to maintain a reliable system as the transition happens.

LA100 Plan Timeline

A few participants expressed concerns with the LA100 Plan timeline and asked questions about the reality of reaching the 2035 goal. One participant commented on the magnitude of the LA100 Plan and asked what steps LADWP will be using to track the implementation program and the approach for modifying and adapting the program. Another participant highlighted the increased cost over the past few years and questioned if additional costs will be added before 2035.

Rates and Energy Burden

Several participants questioned how the LA100 Plan follows the City Council's directive of transitioning to renewable energy at minimal adverse impact to ratepayers. Participants expressed concerns about the projected rates and commented on the need to balance reliability and rates. One participant questioned whether LADWP looked at the difference in affordability between the current approach and other alternatives. Another participant highlighted that marginalized, low-income communities will be adversely affected by rate increases, and suggested LADWP aggressively pursue strategies like electrification that bring down rates for all and target relief programs in energy-burdened communities.

Appendix A

The presentation slides can be found on the LADWP LA100 Plan webpage.

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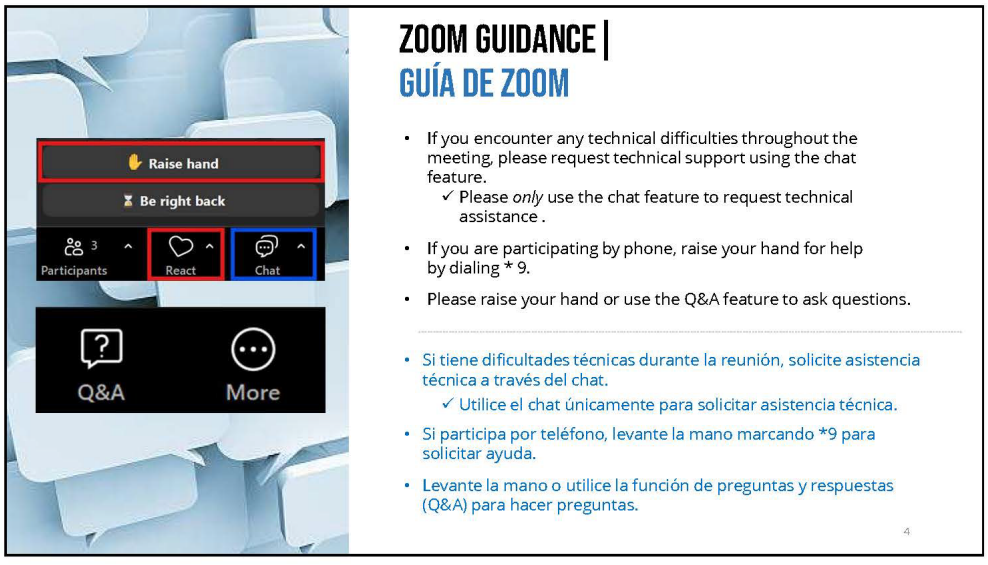
INTERPRETATION INSTRUCTIONS |
INSTRUCCIONES PARA INTERPRETACIÓN SIMULTÁNEA
Computadora
Computer
1
Interpretation
2
Off
English
Spanish
Tableta
Tablet
Teléfono Inteligente
Smartphone
1
More
2
Chat
Meeting Settings
Language Interpretation
Raise Hand
3
Done
4
Original Audio
English
Spanish
Mute Original Audio
3

3


Raise hand
Be right back
Participants
React
Chat
Q&A
More
ZOOM GUIDANCE |
GUÍA DE ZOOM
If you encounter any technical difficulties throughout the meeting, please request technical support using the chat feature.
✓ Please only use the chat feature to request technical assistance .
If you are participating by phone, raise your hand for help by dialing * 9.
Please raise your hand or use the Q&A feature to ask questions.
Si tiene dificultades técnicas durante la reunión, solicite asistencia técnica a través del chat.
✓ Utilice el chat únicamente para solicitar asistencia técnica.
Si participa por teléfono, levante la mano marcando *9 para solicitar ayuda.
Levante la mano o utilice la función de preguntas y respuestas (Q&A) para hacer preguntas.
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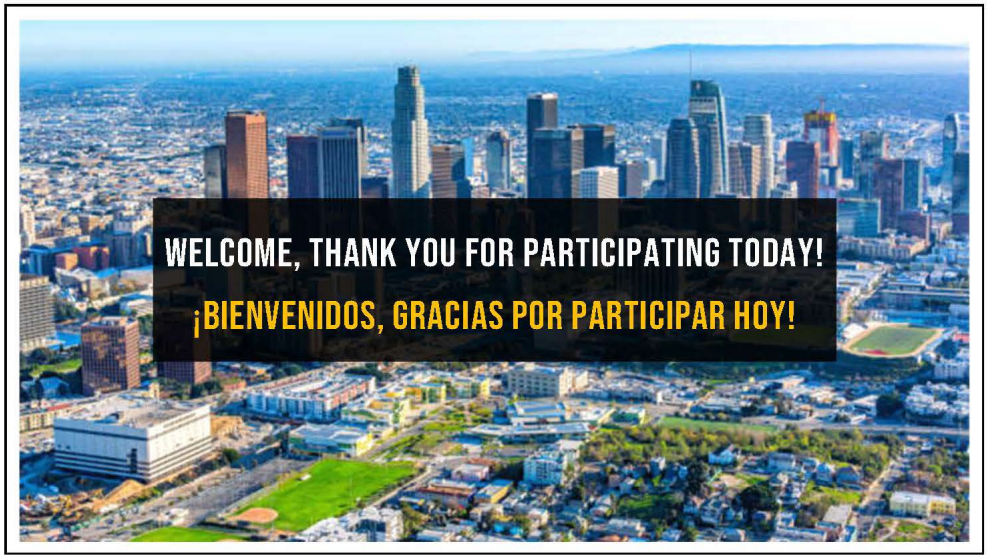
WELCOME, THANK YOU FOR PARTICIPATING TODAY!
¡BIENVENIDOS, GRACIAS POR PARTICIPAR HOY!

5


MEETING PURPOSE |
PROPÓSITO DE LA REUNIÓN
1
Provide updates about the Los Angeles Power System and transitions to clean energy, including communities and customers in the LA100 Program.
Proveer actualizaciones acerca del Sistema de Energía y la transición hacia energía limpia, incluyendo comunidades y clientes en el programa LA100.
2
Actively listen to the public's questions and input and provide answers and ideas.
Escuchar activamente las preguntas y opiniones del público y dar respuestas e ideas.
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AGENDA |
ORDEN DEL DÍA

1. WELCOME & AGENDA
2. PRESENTATION
   - Where Does L.A.'S Power Come From?
   - Integration of Clean Energy Resources & LA100 Plan
   - Reliability, Affordability, & the Environment
   - Examples of Local Plans & Programs
3. QUESTIONS & ANSWERS

1. BIENVENIDA Y AGENDA
2. PRESENTACIÓN
   - De Dónde Proviene la Energía De Los Ángeles
   - Integración de Fuentes de Energía Limpia y el Plan LA100
   - Confiabilidad, Asequibilidad y el Medio Ambiente
   - Ejemplos de Planes y Programas Locales
3. PREGUNTAS Y RESPUESTAS

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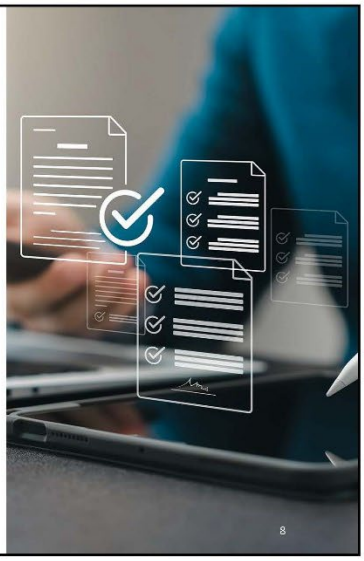
COMMUNITY MEETING GUIDELINES |
NORMAS DE LA REUNIÓN

1. **Learn** about the things that are important to you and your community.
   Aprenda acerca las cosas que son importantes para usted y su comunidad.
2. **Ask** questions.
   Haga preguntas.
3. **Share** your perspective and knowledge.
   Comparta su perspectiva y conocimiento.
4. **Stay respectful** of others.
   Sea respetuoso de los demás.
5. **Commit** to everyone having opportunities to participate today.
   Comprométase a que todos tengan oportunidad de participar hoy.



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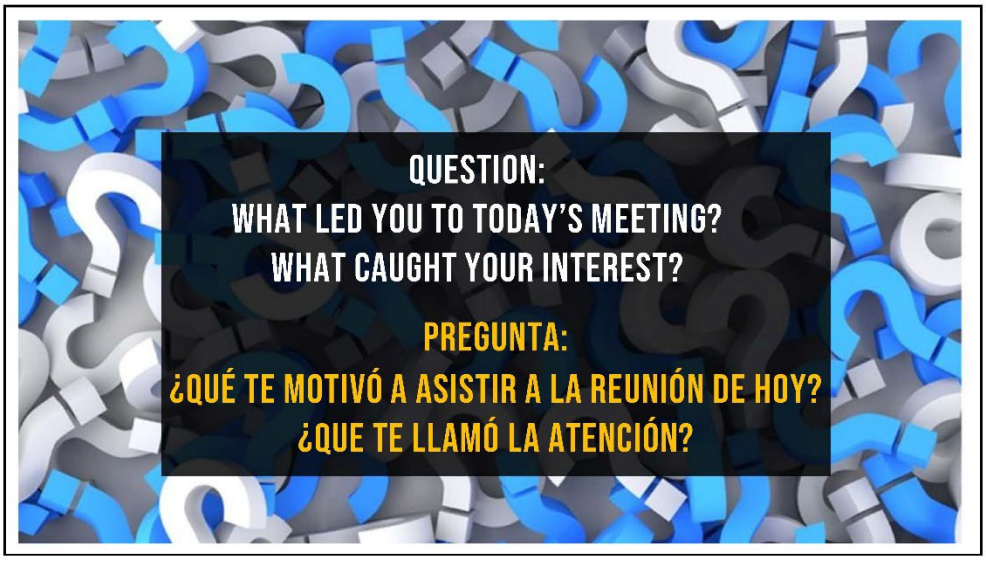
QUESTION:
WHAT LED YOU TO TODAY'S MEETING?
WHAT CAUGHT YOUR INTEREST?
PREGUNTA:
¿QUÉ TE MOTIVÓ A ASISTIR A LA REUNIÓN DE HOY?
¿QUE TE LLAMÓ LA ATENCIÓN?

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PRESENTATION TOPICS |
TEMAS DE LA PRESENTACIÓN
1 POWER SYSTEM OVERVIEW
2 LA100 PLAN
3 CUSTOMER BILL IMPACTS, RATES, AND ENERGY BURDEN
4 IMPLEMENTATION OF LA100 PLAN PROJECTS
5 RISKS AND CHALLENGES
1 VISIÓN GENERAL DEL SISTEMA DE ENERGÍA
2 PLAN LA100
3 IMPACTO EN LA FACTURA DE LOS CLIENTES, TARIFAS Y CARGA ENERGÉTICA
4 IMPLEMENTACIÓN DE LOS PROYECTOS DEL PLAN LA100
5 RIESGOS Y DESAFÍOS
10

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POWER SYSTEM OVERVIEW
VISIÓN GENERAL DEL SISTEMA ELÉCTRICO

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BACKGROUND |
ANTECEDENTES
• LADWP is the nation's largest municipal electric utility. Power System reliability cannot be compromised.
• LADWP es la empresa de servicios públicos municipales más grande de la nación. La confiabilidad del Sistema de Energía no puede verse comprometido.
• LADWP maintains a diverse and vertically integrated power generation, transmission and distribution system that spans five Western states, and delivers electricity to more than 4 million people.
• LADWP mantiene un sistema de generación de energía diverso e integrado verticalmente que abarca cinco estados del oeste y suministra energía a más de 4 millones de personas.
• LADWP's LA100 Plan will drive the future of the electric grid.
• El Plan LA100 de LADWP impulsará el futuro de la red eléctrica.
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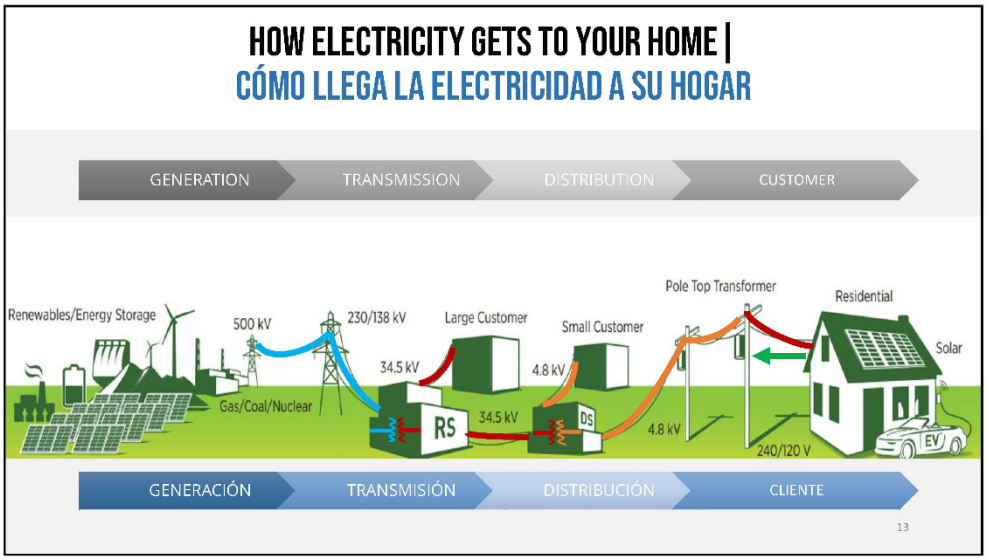
HOW ELECTRICITY GETS TO YOUR HOME |
CÓMO LLEGA LA ELECTRICIDAD A SU HOGAR
GENERATION
TRANSMISSION
DISTRIBUTION
CUSTOMER
Renewables/Energy Storage
Gas/Coal/Nuclear
500 kV
230/138 kV
34.5 kV
RS
34.5 kV
Large Customer
4.8 kV
Small Customer
DS
4.8 kV
Pole Top Transformer
240/120 V
Residential
Solar
EV
GENERACIÓN
TRANSMISIÓN
DISTRIBUCIÓN
CLIENTE
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WASHINGTON
OREGON
IDAHO
NEVADA
UTAH
CALIFORNIA
ARIZONA
BAJA CALIFORNIA
LOS ANGELES' POWER GENERATION AND TRANSMISSION
LOS ÁNGELES GENERACIÓN Y TRANSMISIÓN DE ENERGÍA
CITY OF LOS ANGELES IN-BASIN GENERATING STATIONS
RESOURCE DIVERSITY |
DIVERSIDAD DE RECURSOS
In-basin Generating Stations: Natural Gas
Pacific Northwest: Wind & hydro
Owens Valley: Wind, solar, & hydro
The Intermountain Power Project (Utah): Wind & solar
Hoover Dam: Hydro
Arizona and New Mexico: Wind
Palo Verde Nuclear Generating Station: Nuclear
Nevada. Apex gas-fired generating station & solar
Castaic Plant: Pumped-hydro
Estaciones de Generación dentro de la Cuenca: Gas natural
Noroeste del Pacífico: Eólica e hidráulica
Valle Owens: Energía eólica, solar e hidráulica
El Proyecto de Energía Intermontaña: Eólica y Solar
Presa Hoover: Hidroeléctrica
Arizona y New Mexico: Energía Eólica
Central Nuclear de Palo Verde: Nuclear
Nevada: Generación de gas y solar
Planta Castaic: Bombeo Hidráulico
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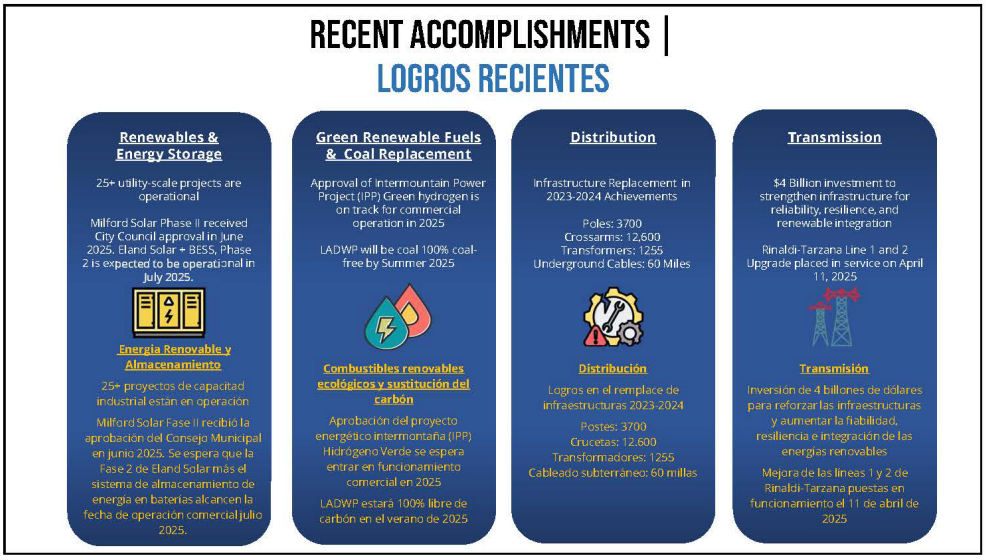
RECENT ACCOMPLISHMENTS |
LOGROS RECIENTES
Renewables & Energy Storage
25+ utility-scale projects are operational
Milford Solar Phase II received City Council approval in June 2025. Eland Solar + BESS, Phase 2 is expected to be operational in July 2025.
Energia Renovable y Almacenamiento
25+ proyectos de capacitad industrial están en operación
Milford Solar Fase II recibió la aprobación del Consejo Municipal en junio 2025. Se espera que la Fase 2 de Eland Solar más el sistema de almacenamiento de energía en baterías alcancen la fecha de operación comercial julio 2025.
Green Renewable Fuels & Coal Replacement
Approval of Intermountain Power Project (IPP) Green hydrogen is on track for commercial operation in 2025
LADWP will be coal 100% coal-free by Summer 2025
Combustibles renovables ecológicos y sustitución del carbón
Aprobación del proyecto energético intermontaña (IPP) Hidrógeno Verde se espera entrar en funcionamiento comercial en 2025
LADWP estará 100% libre de carbón en el verano de 2025
Distribution
Infrastructure Replacement in 2023-2024 Achievements
Poles: 3700
Crossarms: 12,600
Transformers: 1255
Underground Cables: 60 Miles
Distribución
Logros en el remplace de infraestructuras 2023-2024
Postes: 3700
Crucetas: 12,600
Transformadores: 1255
Cableado subterráneo: 60 millas
Transmission
$4 Billion investment to strengthen infrastructure for reliability, resilience, and renewable integration
Rinaldi-Tarzana Line 1 and 2 Upgrade placed in service on April 11, 2025
Transmisión
Inversión de 4 billones de dólares para reforzar las infraestructuras y aumentar la fiabilidad, resiliencia e integración de las energías renovables
Mejora de las líneas 1 y 2 de Rinaldi-Tarzana puestas en funcionamiento el 11 de abril de 2025

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RECENT ACCOMPLISHMENTS |
LOGROS RECIENTES
Electrification
45,000 Electric vehicle charging stations by 2025
Electrificación
45,000 Estaciones de carga para vehículos eléctricos en 2025.
Demand Response (DRs)
The LA100 Plan has targets for 100 MW of demand response by 2025 and 815 by 2035.
Respuesta a la demanda
El Plan La100 tiene objetivos por 100 MW de respuesta a la demanda en 2025 y 815 MW en 2035
Distributed Energy Resources (DERs)
$1.9 Billion investment to increase utility-owned local DER Capacity, EV chargers, and controllable assets
Recursos Energéticos Distribuidos (DERs)
Inversión de $1.9 billones para ampliar la capacidad local de recursos energéticos (DER), los cargadores de vehículos eléctricos y los activos controlables

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LA100 PLAN
EL PLAN LA100

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LADWP IS A LONGSTANDING LEADER ON POWER PLANNING |
LADWP ES LÍDER HISTÓRICO EN LA PLANIFICACIÓN ENERGÉTICA
Formerly known as the Strategic Long-Term Resource Plan, the LA100 Plan is LADWP's comprehensive strategic integrated power system planning document and L.A.'s roadmap for achieving 100% carbon-free energy by 2035.
Integrates LA100 Study findings
Advances LA100 Equity Strategies
Prioritizes reliability, resiliency, equity, affordability, and sustainability
Utilizes stakeholder community input through an Advisory Group and public outreach for regular Plan updates
100%
Anteriormente conocido como el Plan Estratégico de Recursos a Largo Plazo, el Plan LA100 es el documento de planificación integrado y estratégico del sistema eléctrico de LADWP y la hoja de ruta de Los Ángeles para lograr energía 100% libre de carbono para el 2035
Integra las conclusiones del Estudio LA100
Avanza en las Estrategias de Equidad LA100
Prioriza la fiabilidad, resistencia, equidad, asequibilidad y sostenibilidad
Utiliza las sugerencias de la comunidad de partes interesadas a través de un Grupo Asesor y la difusión pública para las actualizaciones periódicas del Plan.
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LA100 PLAN ADVISORY GROUP MEMBERS |
MIEMBROS DEL GRUPO ASESOR DEL PLAN LA100
6 ACADEMIA | ACADEMIA
17 BUSINESS & WORKFORCE | EMPRESAS Y FUERZA LABORAL
26 CITY GOVERNMENT | GOBIERNO DE LA CIUDAD
5 NEIGHBORHOOD COUNCIL | JUNTA VECINAL
20 ENVIRONMENTAL COMMUNITY | COMUNIDAD MEDIOAMBIENTAL
10 PREMIER ACCOUNTS & KEY CUSTOMERS | CUENTAS PREMIER Y CLIENTES CLAVE
6 UTILITIES | UTILIDADES
19

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LA100 PLAN CITY GOALS |
OBJETIVOS DE LA CIUDAD EN EL PLAN LA100
1 Achieve LA100 Goal in Reliable, Affordable, Sustainable, and Equitable Manner.
Conseguir el objetivo LA100 de forma fiable, asequible, sostenible y equitativa.
2 Accelerated Renewable Goals.
Objetivos acelerados de energías renovables.
• LA100 Plan meets the LA City Council Motion for 100% carbon-free energy by 2035 and builds upon assumptions from the LA100 Study.
• El Plan LA100 cumple la petición del Consejo Municipal de Los Ángeles de una energía 100% libre de carbono para 2035 y se basa en las conclusiones del Estudio LA100.
• LA100 Plan exceeds the 60% Renewable Portfolio Standard (RPS) state mandate, currently achieving 80% RPS by 2030. This includes large-scale and distributive resources, providing a balance between regional and local resources.
• El Plan LA100 supera el mandato estatal del 60% de estándar de cartera de energías renovables (RPS por sus siglas en inglés) alcanzando actualmente el 80% de RPS para 2030. Esto incluye recursos a gran escala y distribuidos, logrando un equilibrio entre recursos regionales y locales.
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GUIDING PRINCIPLES |
PRINCIPIOS RECTORES
Reliability & Resiliency
Fiabilidad y resiliencia
Affordability & Rate Impacts
Rentabilidad e impacto de las tarifas
Environmental Benefits & Equity
Beneficios medioambientales y equidad

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LA100 PLAN – RESOURCE SELECTION PROCESS |
LA100 PLAN – PROCESO DE SELECCIÓN DE RECURSOS
LA100 Modeling seeks to find the least cost, best fit resources to meet our future load, while balancing decarbonization and reliability
El modelo LA100 busca los recursos más económicos y adecuados para satisfacer nuestra demanda futura, equilibrando la descarbonización y la fiabilidad.
Customer-Sided Resources (e.g. Rooftop Solar)
Recursos propios del cliente (por ejemplo, energía solar para tejados)
Renewable Energy
Energía Renovable
Energy Storage
Almacenamiento de Energía
Transmission, Distribution
Transmisión, Distribución
Dispatchable Resource
Recurso dispensable

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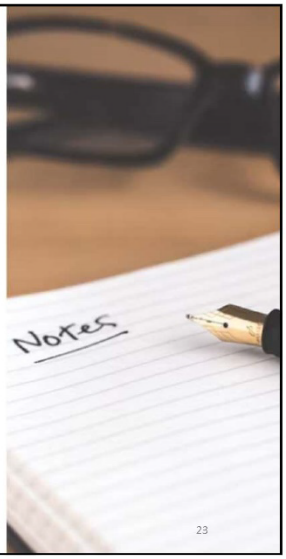
HIGHLIGHTS OF STRESS-TESTING LA100 PLAN | ASPECTOS DE LAS PRUEBAS DE RESISTENCIA DEL PLAN LA100

1. The LA100 portfolio is designed to be resilient maintaining reliability under a range of stress conditions.
   La cartera LA100 está diseñada para ser resiliente y mantener la fiabilidad en una gran variedad de condiciones de estrés.
2. Significant investments in renewables such as solar, wind, geothermal, and energy storage are essential to achieve decarbonization goals.
   Para alcanzar los objetivos de descarbonización son esenciales importantes inversiones en energías renovables como la solar, la eólica, la geotérmica y el almacenamiento de energía.
3. On average, LADWP will need to procure 1,065 MW of clean resources annually between 2025 and 2035.
   En promedio, el LADWP necesitará adquirir 1.065 MW anuales de recursos limpios entre 2025 y 2035.
4. Local, on-demand power resources capable of lasting several days to weeks, are essential for ensuring reliability during emergency and stress conditions.
   Es esencial que los recursos energéticos locales en demanda sean capaces de durar varios días hasta semanas para garantizar la fiabilidad en situaciones de emergencia y estrés.



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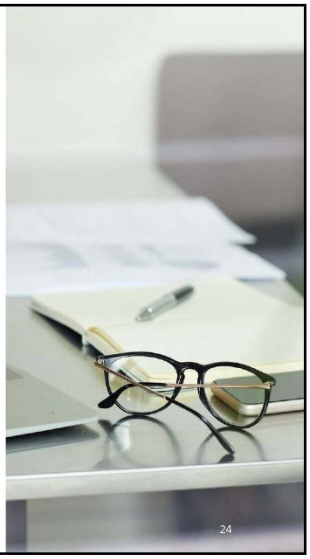
HIGHLIGHTS OF STRESS-TESTING LA100 PLAN | ASPECTOS DE LAS PRUEBAS DE RESISTENCIA DEL PLAN LA100

5. Current limitations in commercially available non-combustion technologies requires LADWP to maintain renewably fuel combustion turbines for reliable backup power

   Las limitaciones actuales de las tecnologías sin combustión disponibles en el mercado obligan al LADWP a mantener turbinas de combustión de combustibles renovables para disponer de energía de reserva fiable.
6. Accelerated deployment of renewable energy accounts for majority of LADWP's carbon emissions reduction, and the last 10% decarbonization that relies on eliminating natural gas generation is the most costly.

   El despliegue acelerado de energías renovables representa la mayor parte de la reducción de emisiones de carbono de LADWP, y el último 10% de descarbonización que se basa en la eliminación de la generación de gas natural es el más costoso.
7. LA100 Plan accelerates LADWP's clean energy policy 10 years ahead of the State, but is expected to cost over 20% more than the State's Policy.

   El Plan LA100 acelera la política de energía limpia de LADWP 10 años antes que la del Estado, pero se espera que cueste más de un 20% que la norma estatal.



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LA100 PLAN– POTENTIAL CHALLENGES FOR IMPLEMENTATION | PLAN LA100 – DESAFÍOS POTENCIALES PARA LA IMPLEMENTACIÓN

Generation | Generación
A clean, reliable grid needs both renewables and steadzy local power sources.
Una red limpia y fiable necesita tanto energías renovables como fuentes de energía locales estables.

Technology | Tecnología
Pacing investments with technology readiness is challenging, especially when innovations are still maturing.
Ajustar las inversiones a la preparación tecnológica es un reto, especialmente cuando las innovaciones aún están madurando.

Financial | Finanzas
Affordability rates, energy burden, inflation, and limited funding present huge risks.
Las tasas de accesibilidad, la carga energética, la inflación y la limitada financiación presentan enormes riesgos.

Transmission | Transmisión
Limited capacity, interconnection requests, and climate resiliency are just few of the transmission system challenges.
La capacidad limitada, las solicitudes de interconexión y la resistencia climática son sólo algunos de los retos de la red de transmisión.

Permitting & Legal |Permisos y Asuntos Legales
Obtaining the permitting, project contracts, and all necessary approvals in a timely manner will be critical to prevent project delays.
Obtener a tiempo los permisos, los contratos del proyecto y todas las aprobaciones necesarias será fundamental para evitar retrasos en el proyecto.

Federal Policy | Normas Federales
Elimination of tax incentives for renewable energy projects may impact local and state decarbonization goals.
La eliminación de los incentivos fiscales a los proyectos de energías renovables puede repercutir en los objetivos locales y estatales de descarbonización.

Distribution | Distribución
Distribution challenges and risks include ability to meet rapid load growth and aging distribution infrastructure.
Los retos y riesgos de la distribución incluyen la capacidad de satisfacer el rápido crecimiento de la carga y el deterioro de las infraestructuras de distribución.

Staffing | Personal
Insufficient personnel resources can affect execution of Power System projects.
Recursos humanos insuficientes pueden afectar la ejecución de proyectos del Sistema de Energía.

Procurement| Adquisiciones
US tariffs will provide increased costs for imported equipment and materials.
Los aranceles estadounidenses supondrán un aumento de los costes de los equipos y materiales importados.

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CUSTOMER BILL IMPACTS, RATES,
& ENERGY BURDEN
IMPACTO EN LA FACTURA DEL CLIENTE,
TARIFAS, Y CARGA ENERGÉTICA

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TOTAL COST IN TODAY'S DOLLARS |
COSTO TOTAL EN DÓLARES DE HOY
Net Present Value
$120.0
$100.0
$80.0
$60.0
$40.0
$20.0
$0.0
Net Present Value ($ billion)
$84.8
$102.5
2022 SLTRP: $64.3
2022 SLTRP: $81.3
LA100
2022 SLTRP
SB100
LA100/Case 1
Note: Net present value of bulk power system cost (fixed and variable cost) from 2025 through 2045
Nota: Valor actual neto del costo del sistema de energía a granel (costo fijo y variable) de 2025 a 2045.
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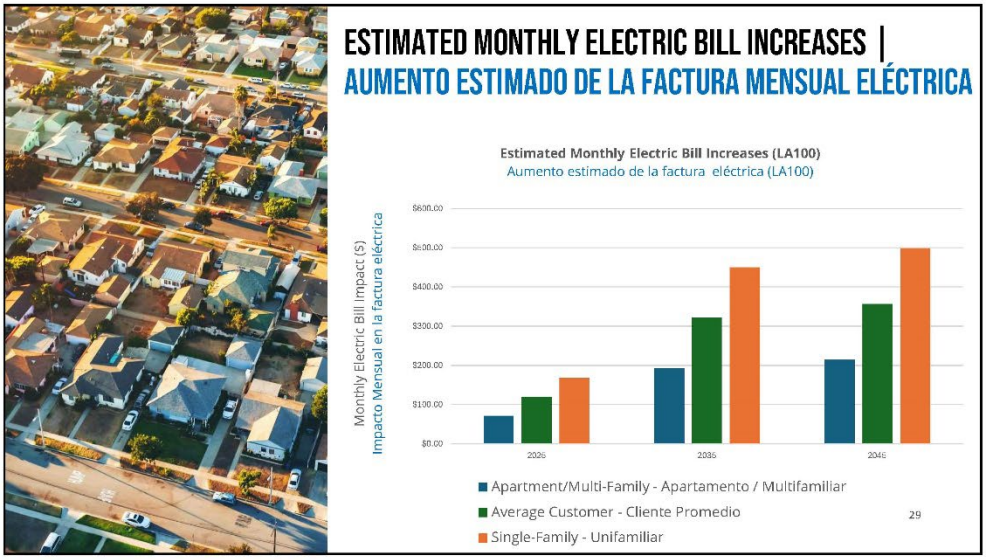
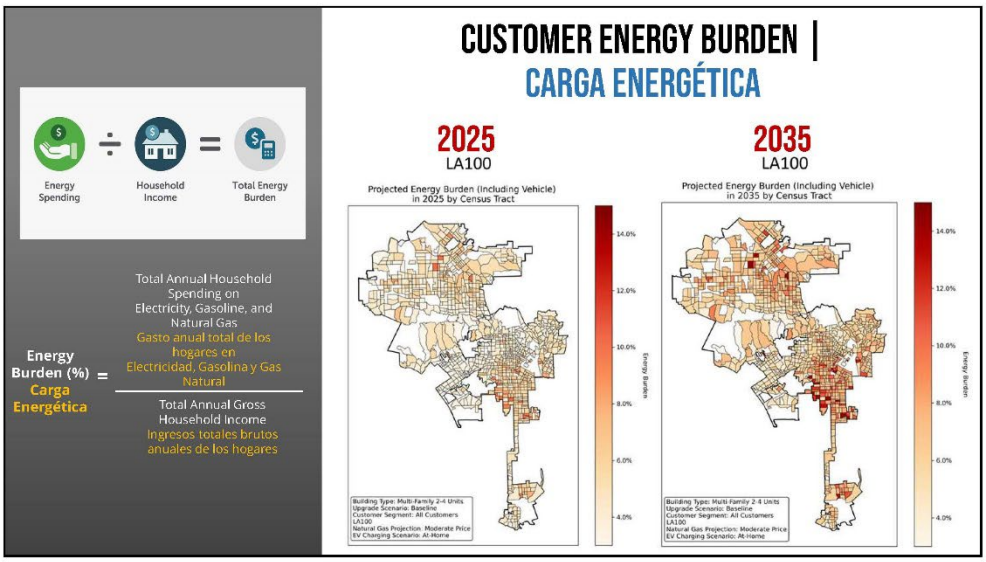

ESTIMATED MONTHLY ELECTRIC BILL INCREASES |
AUMENTO ESTIMADO DE LA FACTURA MENSUAL ELÉCTRICA
Estimated Monthly Electric Bill Increases (LA100)
Aumento estimado de la factura eléctrica (LA100)
Monthly Electric Bill Impact ($)
Impacto Mensual en la factura eléctrica
$600.00
$500.00
$400.00
$300.00
$200.00
$100.00
$0.00
2026
2035
2045
Apartment/Multi-Family - Apartamento / Multifamiliar
Average Customer - Cliente Promedio
Single-Family - Unifamiliar
29

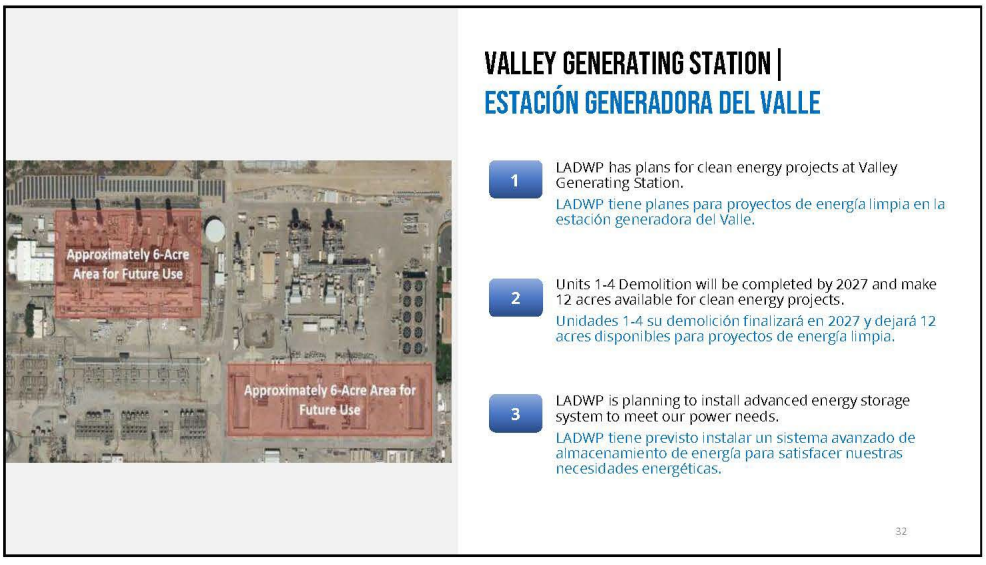
29


Energy Spending
Household Income
Total Energy Burden
Energy Burden (%) = Carga Energética
Total Annual Household Spending on Electricity, Gasoline, and Natural Gas
Gasto anual total de los hogares en Electricidad, Gasolina y Gas Natural
Total Annual Gross Household Income
Ingresos totales brutos anuales de los hogares
CUSTOMER ENERGY BURDEN |
CARGA ENERGÉTICA
2025
LA100
2035
LA100
Projected Energy Burden (Including Vehicle) in 2025 by Census Tract
Projected Energy Burden (Including Vehicle) in 2035 by Census Tract
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
Energy Burden

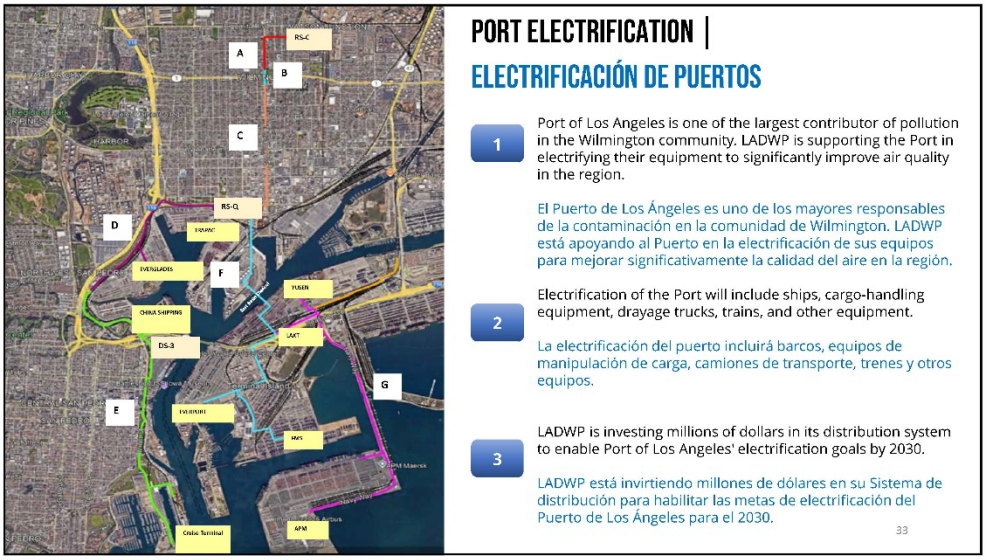
30


IMPLEMENTATION OF
LA100 PLAN PROJECTS
IMPLEMENTACIÓN DE LOS
PROYECTOS DEL PLAN LA100

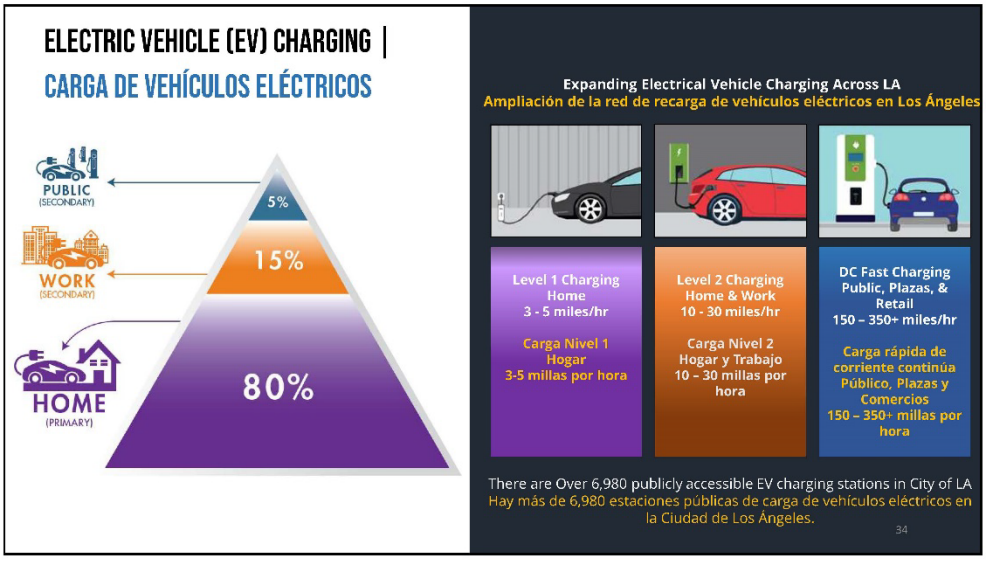
31


VALLEY GENERATING STATION |
ESTACIÓN GENERADORA DEL VALLE
Approximately 6-Acre Area for Future Use
Approximately 6-Acre Area for Future Use
1
LADWP has plans for clean energy projects at Valley Generating Station.
LADWP tiene planes para proyectos de energía limpia en la estación generadora del Valle.
2
Units 1-4 Demolition will be completed by 2027 and make 12 acres available for clean energy projects.
Unidades 1-4 su demolición finalizará en 2027 y dejará 12 acres disponibles para proyectos de energía limpia.
3
LADWP is planning to install advanced energy storage system to meet our power needs.
LADWP tiene previsto instalar un sistema avanzado de almacenamiento de energía para satisfacer nuestras necesidades energéticas.
32

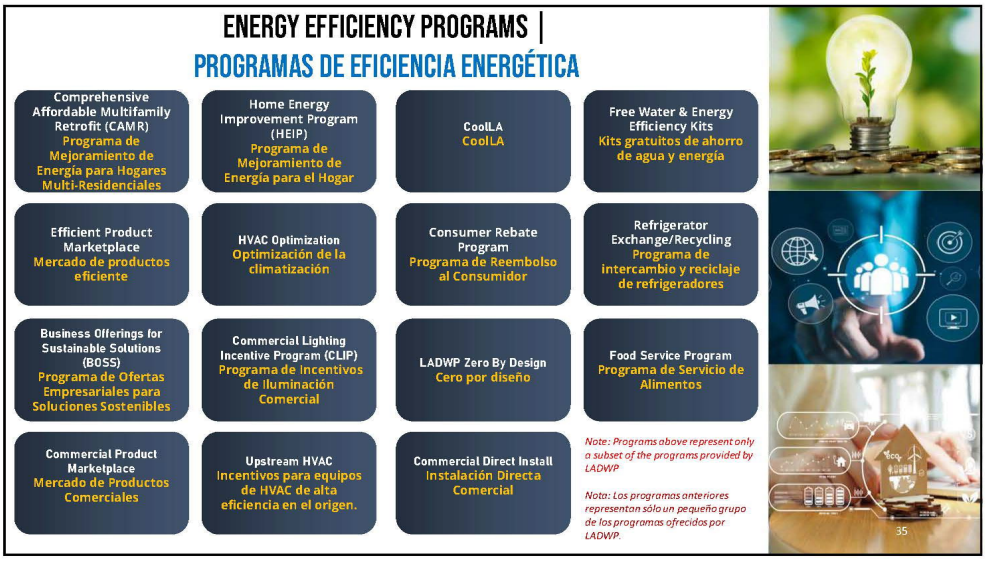
32


PORT ELECTRIFICATION |
ELECTRIFICACIÓN DE PUERTOS
1
Port of Los Angeles is one of the largest contributor of pollution in the Wilmington community. LADWP is supporting the Port in electrifying their equipment to significantly improve air quality in the region.
El Puerto de Los Ángeles es uno de los mayores responsables de la contaminación en la comunidad de Wilmington. LADWP está apoyando al Puerto en la electrificación de sus equipos para mejorar significativamente la calidad del aire en la región.
2
Electrification of the Port will include ships, cargo-handling equipment, drayage trucks, trains, and other equipment.
La electrificación del puerto incluirá barcos, equipos de manipulación de carga, camiones de transporte, trenes y otros equipos.
3
LADWP is investing millions of dollars in its distribution system to enable Port of Los Angeles' electrification goals by 2030.
LADWP está invirtiendo millones de dólares en su Sistema de distribución para habilitar las metas de electrificación del Puerto de Los Ángeles para el 2030.
33

33


ELECTRIC VEHICLE (EV) CHARGING |
CARGA DE VEHÍCULOS ELÉCTRICOS
PUBLIC (SECONDARY)
WORK (SECONDARY)
HOME (PRIMARY)
5%
15%
80%
Expanding Electrical Vehicle Charging Across LA
Ampliación de la red de recarga de vehículos eléctricos en Los Ángeles
Level 1 Charging
Home
3 - 5 miles/hr
Carga Nivel 1
Hogar
3-5 millas por hora
Level 2 Charging
Home & Work
10 - 30 miles/hr
Carga Nivel 2
Hogar y Trabajo
10 – 30 millas por hora
DC Fast Charging
Public, Plazas, & Retail
150 – 350+ miles/hr
Carga rápida de corriente continúa
Público, Plazas y Comercios
150 – 350+ millas por hora
There are Over 6,980 publicly accessible EV charging stations in City of LA
Hay más de 6,980 estaciones públicas de carga de vehículos eléctricos en la Ciudad de Los Ángeles.
34

34


ENERGY EFFICIENCY PROGRAMS |
PROGRAMAS DE EFICIENCIA ENERGÉTICA
Comprehensive Affordable Multifamily Retrofit (CAMR)
Programa de Mejoramiento de Energía para Hogares Multi-Residenciales
Home Energy Improvement Program (HEIP)
Programa de Mejoramiento de Energía para el Hogar
CoolLA
CoolLA
Free Water & Energy Efficiency Kits
Kits gratuitos de ahorro de agua y energía
Efficient Product Marketplace
Mercado de productos eficiente
HVAC Optimization
Optimización de la climatización
Consumer Rebate Program
Programa de Reembolso al Consumidor
Refrigerator Exchange/Recycling
Programa de intercambio y reciclaje de refrigeradores
Business Offerings for Sustainable Solutions (BOSS)
Programa de Ofertas Empresariales para Soluciones Sostenibles
Commercial Lighting Incentive Program (CLIP)
Programa de Incentivos de Iluminación Comercial
LADWP Zero By Design
Cero por diseño
Food Service Program
Programa de Servicio de Alimentos
Commercial Product Marketplace
Mercado de Productos Comerciales
Upstream HVAC
Incentivos para equipos de HVAC de alta eficiencia en el origen.
Commercial Direct Install
Instalación Directa Comercial
Note: Programs above represent only a subset of the programs provided by LADWP
Nota: Los programas anteriores representan sólo un pequeño grupo de los programas ofrecidos por LADWP.
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DISTRIBUTED ENERGY RESOURCES & DEMAND RESPONSE PROGRAMS |
RECURSOS ENERGÉTICOS DISTRIBUIDOS Y PROGRAMAS DE RESPUESTA A LA DEMANDA
Net Energy Metering (NEM)
Medición neta de la energía
Feed-in Tariff (FIT)
Programa de tarifas de alimentación (FIT)
Virtual Net Energy Metering (VNEM) Pilot
Proyecto piloto de medición virtual de la energía neta (VNEM)
Solar Rooftops Program
Programa de Techos Solares
Shared Solar Program
Programa Solar Compartido
Commercial Energy Storage to Grid Pilot Program
Programa piloto de almacenamiento de energía comercial en la red
Commercial & Industrial Demand Response
Respuesta a la demanda comercial e industrial
Self-Generation Incentive Program
Programa de incentivos para la autogeneración
Demand Side Grid Support
Programa de Soporte de Red del lado de la Demanda
Power Savers
Ahorrador de energía
36

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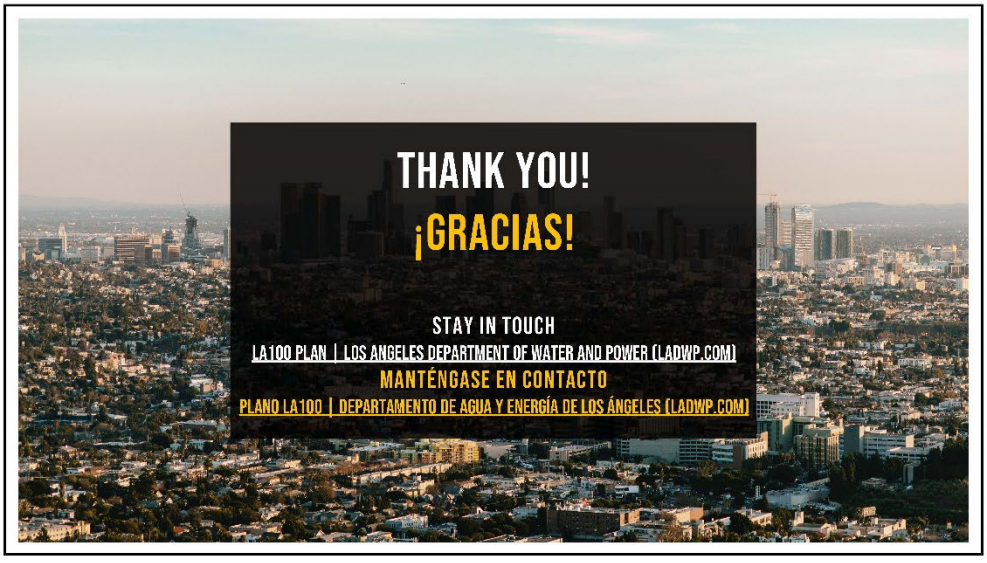
QUESTIONS & ANSWERS
TO PARTICIPATE: USE RAISE HAND FEATURE
Raise hand
Be right back
Participants
React
Chat
Q&A
More
PREGUNTAS Y RESPUESTAS
PARA PARTICIPAR: USE LA FUNCIÓN DE LEVANTAR LA MANO

37


THANK YOU!
¡GRACIAS!
STAY IN TOUCH
LA100 PLAN | LOS ANGELES DEPARTMENT OF WATER AND POWER (LADWP.COM)
MANTÉNGASE EN CONTACTO
PLANO LA100 | DEPARTAMENTO DE AGUA Y ENERGÍA DE LOS ÁNGELES (LADWP.COM)

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Appendix B

Community Meetings Input

During the question-and-answer session following the presentation, participants were given the option to unmute to provide their input verbally or type their questions using the Q&A feature on Zoom. Questions and comments from participants at all four community meetings are presented below, lightly edited for clarity.

June 23, 2025

- Relating to the Intermountain Power Plant (IPP), I am happy to see the conversion to green power. However, nitrogen oxide (NOx) emissions from green hydrogen combustion are a concern. What are we going to do about the NOx emissions?
- Where is LADWP encouraging rooftop solar?
- Are electric-vehicle (EV) chargers in the city managed by LADWP?
- For the Palisades, are upgrades to 12-kilovolt (kV) circuits factored into anything in the LA100 Plan? How will that help with electrification?
- At IPP, is the transition happening from gas first before green hydrogen?
- Why does the meeting recording stop before the Q&A?
- How can we ensure that the transition to hydrogen is protecting the health of communities?
- Regarding the City Council motion and LA100, there are differences in cost and rates between LA100 and SB100 – "At minimal adverse impact to ratepayer." Is there a plan that meets that goal that the council directed at "minimal impact to ratepayers"?
- We support the City's long-term goals, but we have concerns about the schedule, cost, and reliability of unproven technologies. Over the years, the cost of this transition has increased. As was mentioned, rates can be tripled on average. Is this what the City Council meant when instructing minimal impact? What's the backup plan if the technology does not arrive? How will that impact rates?
- Twenty minutes of Q&A and disabling chat is not accessible. Hydrogen combusting is not the way; it is expensive and dangerous. It is not truly clean; the Scattergood Project will cost ratepayers $800 million. No clarity on where the hydrogen will come from. Green hydrogen is not commercially available. We don't know when it will be available. If hydrogen does not materialize before the modernization, how will LADWP reach its goal?
- Are the cost projections shown in present day dollars?
- Is the cost of rebuilding the Palisades considered in LA100 Plan modeling?
- What is the current capacity factor and what is the target for Scattergood? How much gas is LADWP burning?
- Will LADWP, for long-term planning purposes, consider nearly meeting those goals to reduce cost for ratepayers? The hydrogen piece is most of the cost. Removing it, will that reduce the cost, even though it will not meet 100%? Also, promoting more programs in

electrification, targeted ways to bring bills down in energy burden areas, ratepayer relief, energy efficiency targets.

- It would be good to see a series to learn more about LA100. What is the potential for battery storage systems to replace the burning of methane? Any specific targets for adopting battery storage? Is hydrogen combustion based on SoCal Gas' Angeles Link pipeline development?

June 25, 2025

- Will this presentation be shared with attendees?
- The LA100 plan shows minimal in-basin hydrogen until 2034-2035 at which point you plan to replace all in-basin gas with in-basin hydrogen. How realistic is this, especially if hydrogen is not available or very expensive?
- I am concerned about the safety of hydrogen. What are the plans for transporting and storing it?
- Do the energy burden graphics expect significant outlays by lower income people to move toward electric uses? How much will that cost? (e.g., EVs)
- Please provide an overview of the most recent update to the Feed-in-Tariff (FiT) Plus program, which was approved by the Commission this week.
- We have a few concerns. In addition to the goals in the plan itself, you highlighted the issues of reliability in the supply and the transmission of energy. We suggest a transparent system to track and control the many projects in the LA100 Plan. It will show where technology is used appropriately. In the modeling, for the 2030 goal optimizing, was cost optimization considered (minimize rate impacts was there a model)? For the rate impact graphs, was it only the LA100 Plan (i.e., was cost estimate only the cost of LA100 or other upgrades in the power system)?
- Since the rate impact of in-basin hydrogen in 2045 is 10 cents per kWh, what would be the impact of continuing in-basin natural gas use on rates in 2045? How much more affordable would energy be?
- I appreciate seeing more renewable energy. I want to see more aggregation of solar panels, reduced reliance on fossil fuels. What initiatives are you planning to achieve the targets over the next five years?
- How are LADWP's demand response programs compared to other distributed energy resources in terms of cost-effectiveness? Do you happen to have any ballpark estimates for how demand response typically compares in terms of cost per MWh ($/MWh)? What's generally considered a reasonable cost threshold for demand response programs from LADWP's perspective?
- Is LADWP's hydrogen combustion dependent on the SoCal Gas Angeles Link pipeline? What will LADWP do if the pipeline does not materialize?
- Thank you for extending the Q&A. LADWP is making great progress on the clean energy front, but there are concerns. Hydrogen is not the only alternative; we have submitted a study that includes a different alternative to hydrogen, which was dismissed by the NREL study. Battery storage is a viable option. Creating green hydrogen is highly water

intensive, expensive, it will require new pipelines, and there is no guarantee it will materialize. Given this huge expense, why invest in this type of technology? Has LADWP analyzed the cost in a scenario that does not include hydrogen?

- It is important to invest in hydrogen for reliability. If we can't sacrifice reliability, is there a realistic way to meet our clean energy goal without hydrogen or other dispatchable energy?
- I am concerned about hydrogen combustion. The high risk of leakage, lack of leakage detection technology, makes it highly dangerous. It will be irresponsible to pursue hydrogen use. It is also highly water intensive. It requires transportation and a vendor. Angeles Link only covers transportation. Where is LADWP going to purchase hydrogen?
- I oppose the use of gas for electricity, only if you commit to the use of hydrogen. Batteries are becoming cheaper. Hydrogen poses a danger of leakage. Could you commit to only green hydrogen?
- What was the official position of the Ratepayer Advocate on the timeline of this project? There was a suggestion to extend the timeline of this project to 2045 to protect the ratepayers. Why was this recommendation not followed?
- I support the end goals of LA100 Plan, but question feasibility, schedule, and affordability. Since LA100 is greater compared to SB100, what steps is LADWP using to track the implementation program and the approach for modifying and adapting the program?
- Rates are not being emphasized enough. We need to have a balance between reliability and rates.
- Do rate impacts include only LA100 or do they include increased distribution reliability and other increased costs?
- SB100 requires 100% renewable energy, but the City Council motion requires 100% carbon-free. What is the difference?
- Could you please clarify this? SoCal Gas has now said that they are not going to use ARCHES and the pipeline you described is Angeles Link (a SoCalGas project). So, if that pipeline is not built you are saying LADWP is planning for us to have stranded assets.

June 26, 2025

- You might have already mentioned this, but when will the slides be available to us later?
- I wanted to echo another question to determine why LADWP will not move towards virtual power plants as well as community choice aggregate solar? In addition, I stand in solidarity with LA100 with transparency on the combustible element. In addition, how can we achieve zero greenhouse gas emissions when LADWP partners with SoCal Gas to promote gas appliances for rebates when there are appliances that are all electric?
- Another concern is LADWP desires to accomplish 100% zero greenhouse gas emissions, but some homeowners are unable to electrify because they have aged infrastructure underground on private property, which makes panel upgrades cost upward of $20,000 or more. Perhaps for homes like this wouldn't community choice solar make sense as a solution in addition to other feasible upgrades?

- To clarify on the combustible element, I am referring to promoting the hydrogen power plants.
- What are the criteria for virtual net metering? Due to the lack of clarity my developers tend to shy away from this program.
- Is there a link for the refrigerator exchange program?
- Could you please record the Q&A as well? I must leave for another meeting now and wish to listen to the answers.
- Thank you for doing these community meetings. I'm concerned about hydrogen. Concerned about the air pollution that burning hydrogen produces. More combustion in the LA basin is always a red flag. As a ratepayer, I'm concerned about the cost. ARCHES and SoCal Gas are threatened by funding cuts from the [federal] administration. What if the hydrogen boom does not develop? I want to encourage LADWP to do the right thing and look for alternatives that are not hydrogen.
- The presentation kept emphasizing that traditional natural gas plants would be necessary to ensure continuous power and resilience. However, Stanford University professor Mark Z. Jacobson (latest book, *No Miracles Needed*) states that we already have all the clean energy technology necessary to power everyone, everywhere.
- Are there any rebates for all electric appliances?
- Can you please share the data on hydrogen gas not producing more emissions?
- Thank you for this informative information. We want to reinforce the support for LA100 goals, to provide affordable and resilient energy for all. We must invest in a broad portfolio, including hydrogen, for a reliable system.
- I want to express my appreciation; I support the long-term goals but have a concern about the schedule and feasibility that is currently being proposed. Customers will find it difficult to handle the rate increases that are currently being projected. LADWP is working on a different project for water, which will also lead to a rate increase. What will LADWP do if the City Council does not approve or vote for this?
- What percentage of the total LA100 budget is going to building out the hydrogen system? And is this to be used for a fraction of the year? Is this economically rational?
- Thank you for hosting this session. I am advocating that LADWP adopt case 1. I believe the most damaging costs are, and will be, the long-term social costs of the continued burning of fossil fuels. However, I would also be comfortable with a modified case 1 that is nearly 100% faster than SB100 but doesn't bother with the final, most expensive percentage points. I ask that LADWP aggressively pursue strategies like electrification that bring down rates for everyone and target relief programs for communities that are energy burdened. Thank you.
- Council motion requires zero emissions, with minimal impact on ratepayers. After 2035, LADWP will emit zero emissions. For the significant rate increase, compared to SB100, what climate benefits will the Earth see from the last two million megatons of emissions in the last two years (the last 10%)?
- Thank you for finally getting us off coal and making progress with battery storage. But why do we rush to the most technical, expensive long-term solution? My issue is with

hydrogen. I feel like it's a handoff to SoCal Gas, to keep them viable. Hydrogen will require new pipeline development. It is combustible and flammable; who will benefit?
- What do you think are the most cost-effective strategies for reducing the number of hours you run the in-basin gas plants?
- Why not more focus on microgrids as well as smart connected communities?
- So, are you saying that you are going forward, no matter what, with hydrogen combustion? Are you saying that hydrogen is in the LA100 Plan and that it's a settled issue? Is this correct?
- Thank you for tonight's presentation. I second the concerns with hydrogen. Leaks are dangerous. I don't trust SoCal Gas at all. There is an issue with gas appliances; we should not fund that. Translation in Spanish has certain misspelled words.
- I would like to discourage the use of hydrogen. There are studies that disagree with your models. On precedent and drought, your decision will influence other utilities and impact our state energy plan. Please set a precedent that shuns hydrogen. Much of the water comes from Northern California. Please don't disregard the use of water.
- What would the cost to ratepayers be if hydrogen was not part of the clean energy equation?

June 28, 2025

- The Executive Board of the Water and Power Associates is a public service non-profit focused on water and energy issues in Los Angeles and Southern California. Our members are primarily retired LADWP managers and executives with deep experience in utility operations. We support the City's long-term goal of a clean energy future. However, we have serious concerns about the schedule, rising costs, reliability risks, and dependence on unproven technologies. When this plan was developed seven years ago, the estimated cost was $40 billion. Now, it's over $100 billion—and still rising. We've seen this before. California's high-speed rail started at $33 billion and is now expected to exceed $130 billion. LADWP's own projections show that electric rates could nearly triple. Since over 30% of customers will receive discounted rates, those who don't could see their bills triple or quadruple. Is this what the City Council meant by "minimal adverse impact on ratepayers"? Tripling bills doesn't sound minimal. Reliability is another major concern. A recent blackout affected 55 million people in Spain and Portugal, countries recognized as green energy leaders. It's a clear warning about moving too fast. In Los Angeles, where wildfire and weather risks are growing, we can't afford to gamble with the grid. We are not saying stop—we are saying proceed carefully. Aligning with the state's 2045 clean energy goal instead of rushing to 2035 could significantly reduce reliability risks and cut the projected rate increases by up to 50%. Much of this plan depends on technologies that aren't ready yet—long-duration storage, green hydrogen, and major new transmission. What's the backup plan if these technologies don't arrive on time or at scale? What happens to rates—and to reliability—if we've locked ourselves into an unsustainable path? We all want clean energy, but we also want the lights to stay on and the bills to stay reasonable.

- With green hydrogen being such a nascent technology that is not currently commercially available, what happens if green hydrogen doesn't materialize by 2035? Would LADWP just miss their clean energy goal? Or does LADWP have a backup plan in this event?
- I want to express my support for 100% renewables by 2035 and ask about efforts to bring down costs, both electrification to bring down rates and relief for energy-burdened communities. Thank you.
- What are LADWP's top criteria in evaluating whether to burn hydrogen? Did you evaluate the cost and impact, because wind and solar are cheaper and more efficient compared to the multistage process of hydrogen combustion? The infrastructure for hydrogen has life cycle emissions and transportation requires energy, which needs to be accounted for. Hydrogen combustion produces NOx, which are harmful air pollutants and impact health and climate. What were the top criteria for making the decision and the impacts to global warming and human health?
- Is there a program that's appropriate for church non-profits to build out solar and/or become more energy efficient? For example, I noticed the "shared solar" program on your list.
- I am concerned that the options for sources of energy and power can potentially be taken away. We support a diverse portfolio. Does the grid from LADWP handle the electrification of appliances and wide use of electrical appliances?
- First wanted to thank the team for a great presentation! Second, I just want to express full support for the LA100 plan of moving towards 100% renewable by 2035. I used to work for an electricity company and understand that this is no easy feat but will absolutely be a gamechanger on many levels. Additionally, I also ask LADWP to aggressively pursue strategies like electrification that bring down rates for all and target relief programs in energy-burdened communities.
- Many people want to send written questions after these meetings. It's unprecedented that the public can't send written questions. Please accommodate the public with written questions. You cancelled the second week of meetings; can you accommodate for that?
- LA Level Pay Program is great; I really appreciate that to budget and forecast ahead. For our HOA community, we are looking to do some type of solar project to take advantage of our rooftops and some land that is unused. It would be great to talk to somebody about getting our lot retrofitted with solar panels. I tried to talk to some non-profits, but I don't think there is capacity for them to work with us. Who should I get in contact with?