

2026 Integrated Resource Plan (IRP): External Advisory Panel Meeting #1

November 6, 2024



Building the 2026 IRP: Today's Agenda

- Welcome
- **SCL Introductions**
- External Advisory Panel Introductions
- Context & Framing
 - Integrated Resource Plan (IRP)
 - Demand Side Management Potential Assessment (DSMPA)
- DSMPA & IRP Milestones
- Next steps



Intro Slide: Katie Ewing

- Resource Planning & Analysis (RPA) Manager
- Started in RPA August 2024
- Worked at the City for 15 years
- Worked at City Light for almost 5 years (most recently in the GM office for the Chief of Staff)
- MA Economics, MPA
- (BA in Computer Science and Economics)



SCL Sponsors and Contributors

Name	Title, Group	Role
Paul Dockery	Sr. Manager, Energy Resource Strategy & Planning	IRP Contributor
Katie Ewing	Manager, Resource Planning & Analysis	IRP Contributor
Verene Martin	Data Scientist, Resource Planning & Analysis	IRP/DSMPA Contributor
Rebecca Klein	Data Scientist, Resource Planning & Analysis	IRP Contributor
Alan Bach	Sr. Power Analyst, Resource Planning & Analysis	IRP Contributor
Ana Mileva	Principal, Sylvan Energy Analytics	IRP Contributor
Elaine Hart	Principal, Sylvan Energy Analytics	IRP Contributor
Aaron Schwartz	Manager, Rocky Mountain Institute	IRP Contributor
Lauren Shwisberg	Principal, Rocky Mountain Institute	IRP Contributor
Siobhan Doherty	Power Supply Officer	IRP Sponsor

SCL Sponsors and Contributors

Name	Title, Group	Role
Margaret Frey	Conservation Policy Analyst—CES Strategy, Planning and Evaluation	DSMPA Contributor
Mike Hamilton	Sr. Economist / Data Scientist, Financial Planning	IRP/DSMPA Contributor
Aquila Velonis	Principal, Cadmus	DSMPA/IRP Contributor
Gamze Gungor Demirci, PhD	Associate, Cadmus	DSMPA/IRP Contributor
Taylor Bettine	Senior Associate, Cadmus	DSMPA/IRP Contributor
Jennifer Finnigan	Manager—CES Strategy, Planning and Evaluation	DSMPA Sponsor
Joseph Fernandi	Director, Customer Energy Solutions (CES)	DSMPA Sponsor
Craig Smith	Chief Customer Officer	DSMPA Sponsor

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External Advisory Panel Members

Name	Title	Organization
Steve Gelb	Regional Director, Northwest	Emerald Cities Collaborative
Dr. Angela Griffin	CEO	Byrd Barr
Paul Munz	Retired	Bonneville Power Administration
Elizabeth Osborne	Senior Energy Policy Analyst	NW Power Council/WA Department of Commerce
John Ollis	Manager of Planning and Analysis	NW Power & Conservation Council
Jeremy Park	Power Systems Operations Manager	University of Washington
Yuri Rodrigues	Assistant Professor of Electrical Engineering	Seattle Pacific University
Mike Ruby	President	Envirometrics, Inc.
Austin Scharff	Senior Energy Markets and Utilities Policy Specialist	WA Department of Commerce
Kevin Schneider	Laboratory Fellow/Sub-Sector Manager for Office of Electricity	Pacific Northwest National Laboratory
Terry Sullivan	Buildings and Energy Manager	King County
Charlee Thompson	Policy Associate	Northwest Energy Coalition
Amy Wheelless	Federal Policy and Program Alignment Manager	WA Department of Commerce

Potential Meeting Agendas

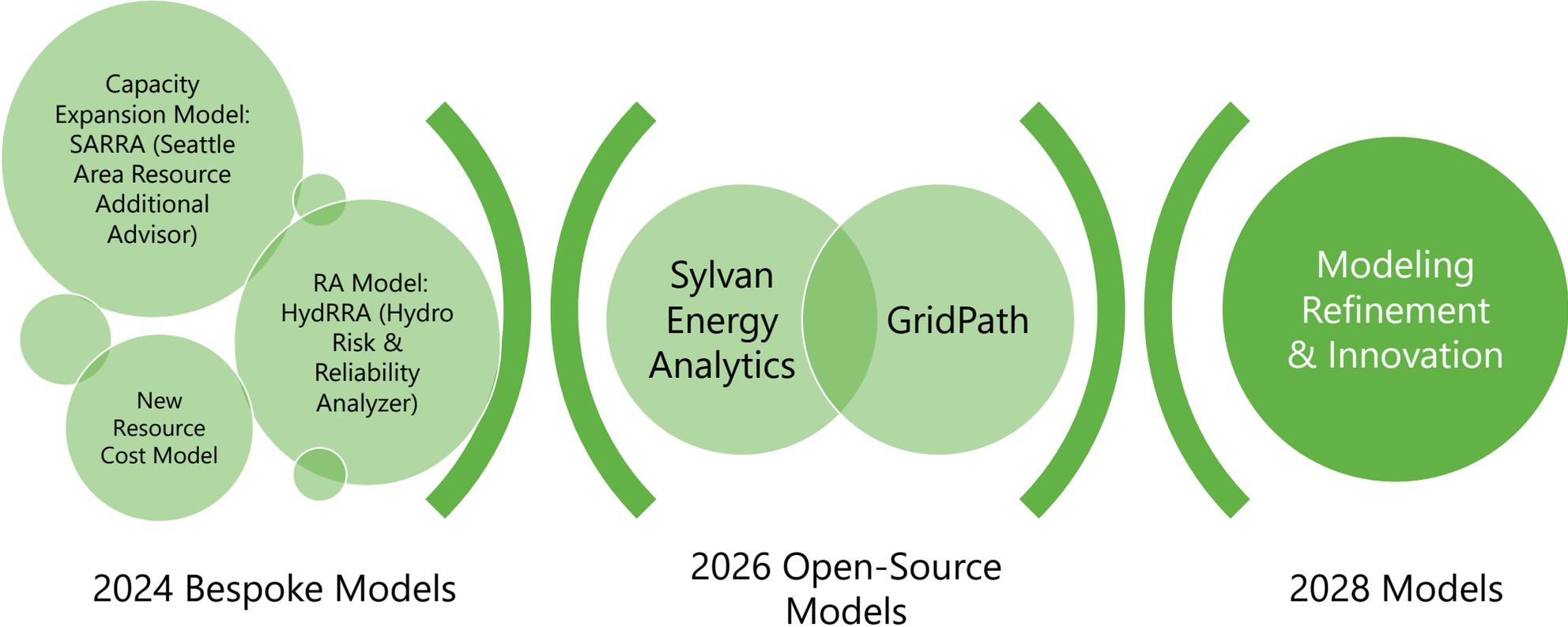
Estimated Timeframe	Potential Agendas
<i>November 6, 2024</i>	<i>Introductions & Timeline</i>
Dec/Jan	Load Forecast Overview & IRP Input Preview
February	IRP Resource Adequacy & Portfolio Proposal
April	IRP Portfolios & DSMMPA Results

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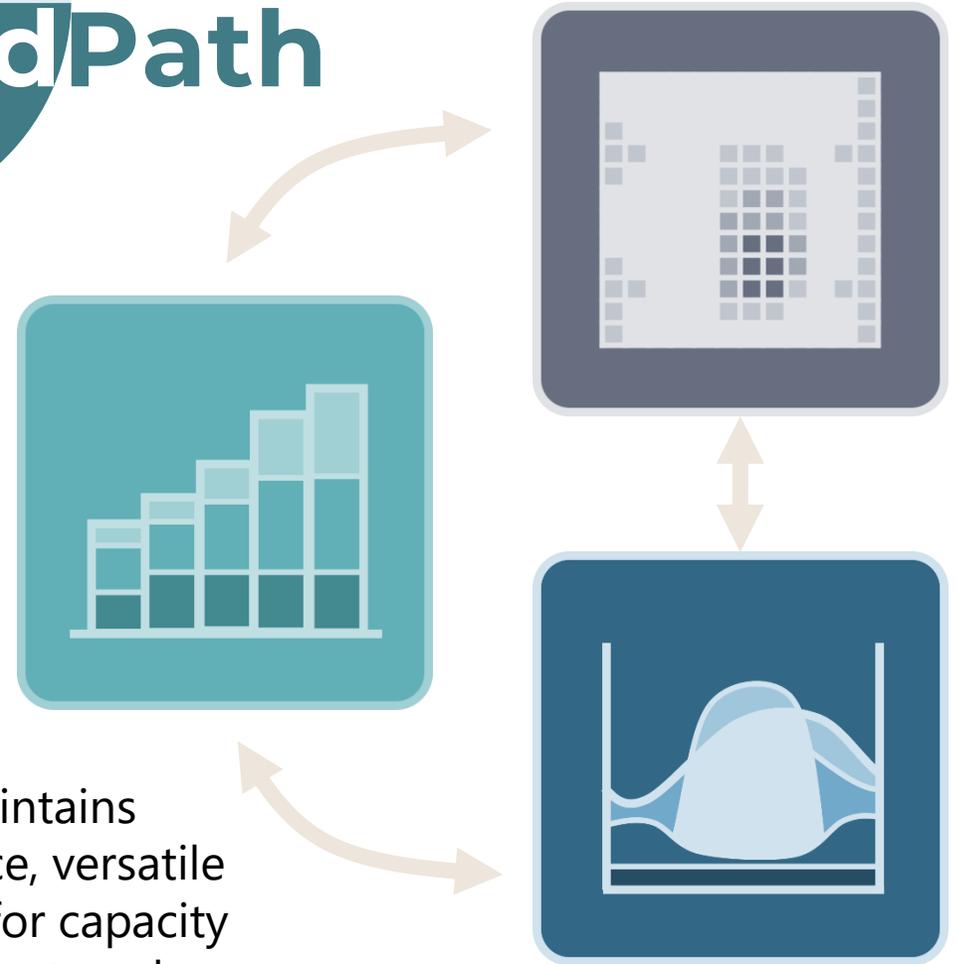
New Approach



SYLVAN

ENERGY ANALYTICS

- **Sylvan Energy Analytics** provides consulting services and software solutions for clean energy planning
- Extensive experience in integrated resource planning, working across the utility industry, with specific expertise in the Pacific Northwest



Sylvan develops and maintains GridPath, an open-source, versatile grid-analytics platform for capacity expansion, production cost, and resource adequacy analysis

Glossary of Terms

- **Integrated Resource Plan (IRP)**: An Integrated Resource Plan is used to identify a utility company's ***long-term energy resource strategy***. These plans describe how the company might structure a clean energy portfolio to ***meet future customer needs at the least cost*** to ratepayers.
- **Demand Side Management Potential Assessment (DSMPA)**: The 2026 DSMPA will identify the ***amount, timing, and cost of demand-side resources over a 20-year horizon*** in City Light's service territory.
- **20-year Load Forecast**: The corporate load forecast represents the ***utility's best estimate for how its retail load will change*** over time.

Glossary of Terms

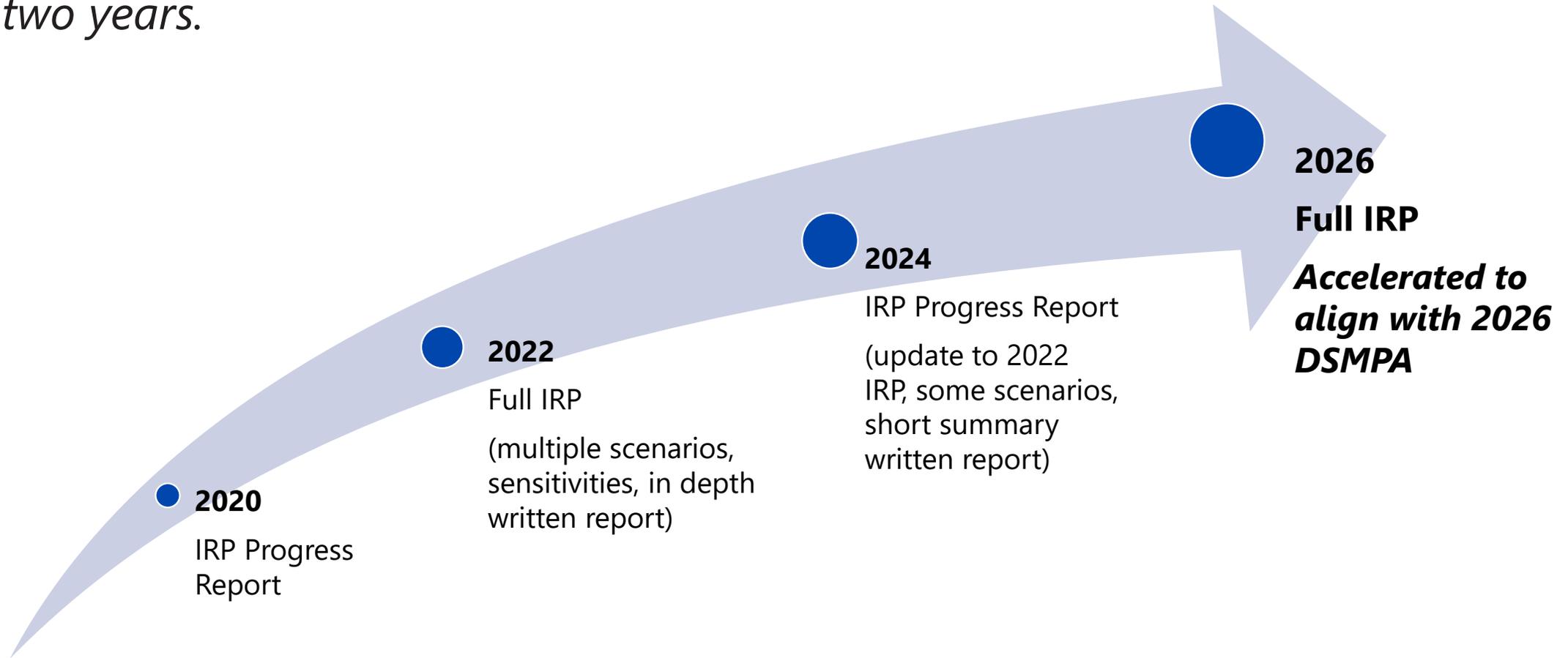
- **Clean Energy Transformation Act (CETA)**: CETA commits Washington to an *electricity supply free of greenhouse gas emission*. Utilities are required to comply with specific milestones to ensure their portfolios meet this 100% clean energy supply requirement by 2045.
- **Clean Energy Implementation Plan (CEIP)**: The CEIP is a near-term four-year action plan specific to SCL that *focuses on community-based actions to move toward meeting CETA's milestones*.

Glossary of Terms

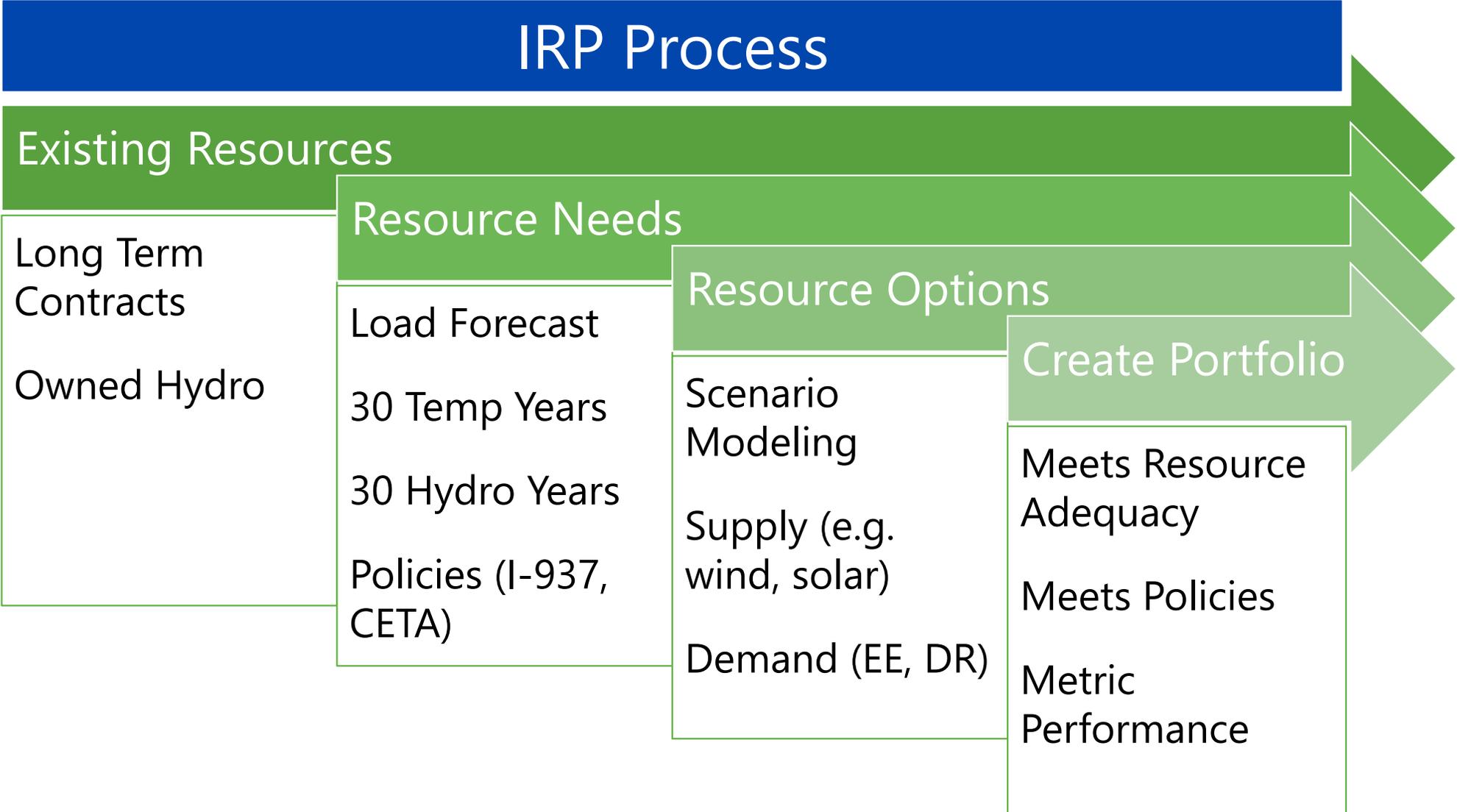
- **Strategic Plan**: City Light develops a full strategic plan every *six years* to outline the *key strategies that will guide our work*. We also *update* the plan every two years to *highlight the progress we've made and communicate our focus* for the remainder of the plan period.
- **Governance by Seattle City Council**: The Sustainability, City Light, Arts & Culture committee provide *policy direction and oversight making recommendations on legislative matters relating to Seattle City Light*, including City Light finances, energy utility rates, resource matters, energy policy, regional matters, air pollution regulations, and alternative energy sources

2026 IRP

- RCW 19.280.030 requires all state electric utilities to develop and update integrated resource plans (IRP) and make them available to the public *every two years*.



Elements of the 2026 IRP

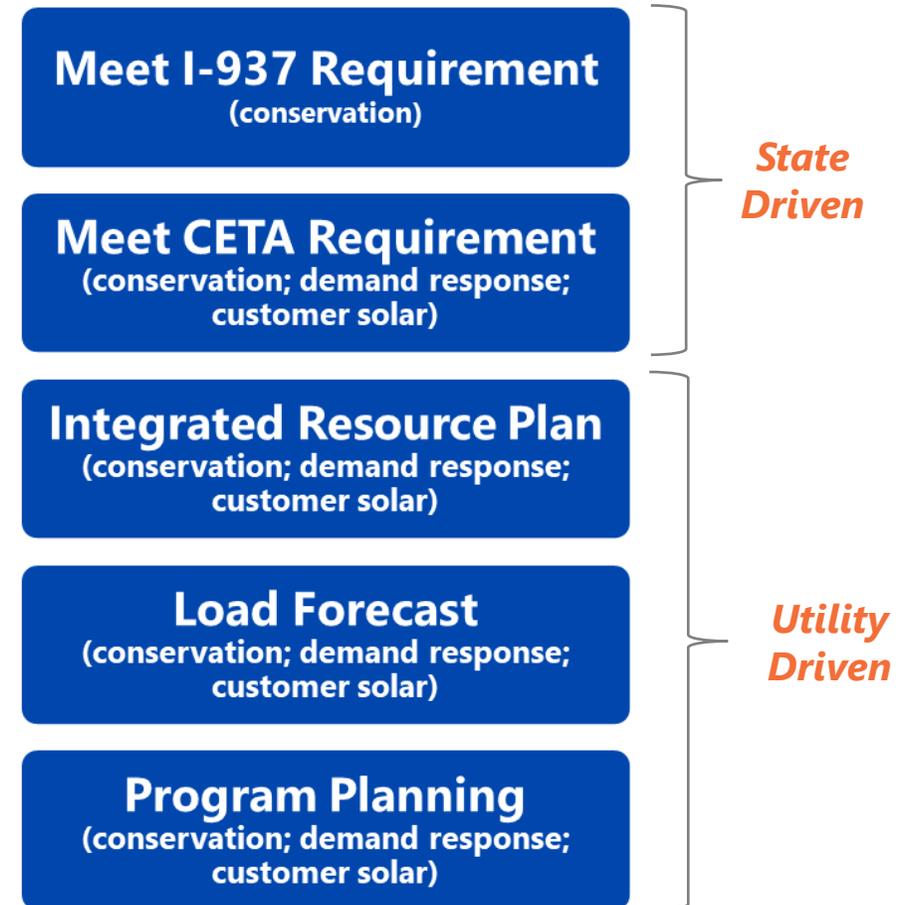


DSMPA Overview: What and Why?

What is a potential assessment?

- Identifies the amount, timing, and cost of demand-side resources
- A tool that helps to weigh demand-side resources as alternatives to supply-side resources
- Sets our 2-year and 4-year targets as required by WA State law (I-937, Clean Energy Implementation Plan) due December 31, 2025
- Year-long study; results in 150+ page report

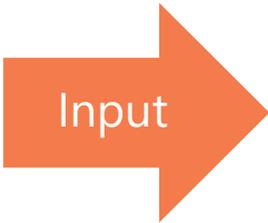
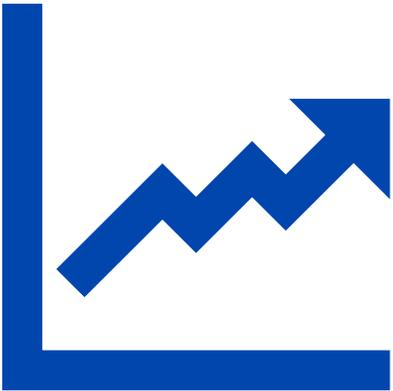
Why we do potential assessments?



Demand Side Management Potential Assessment (DSMPA)

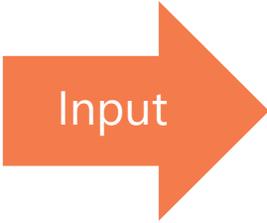
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2025
Corporate
Load Forecast



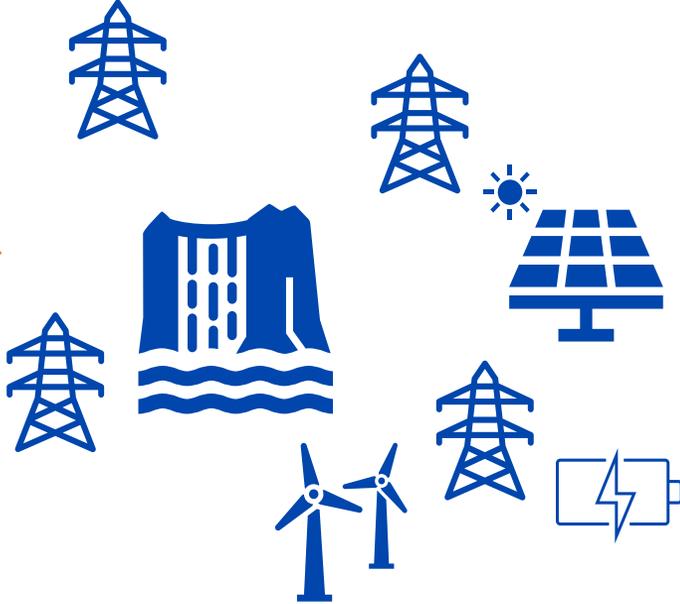
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2026 Demand Side
Management
Resource Results

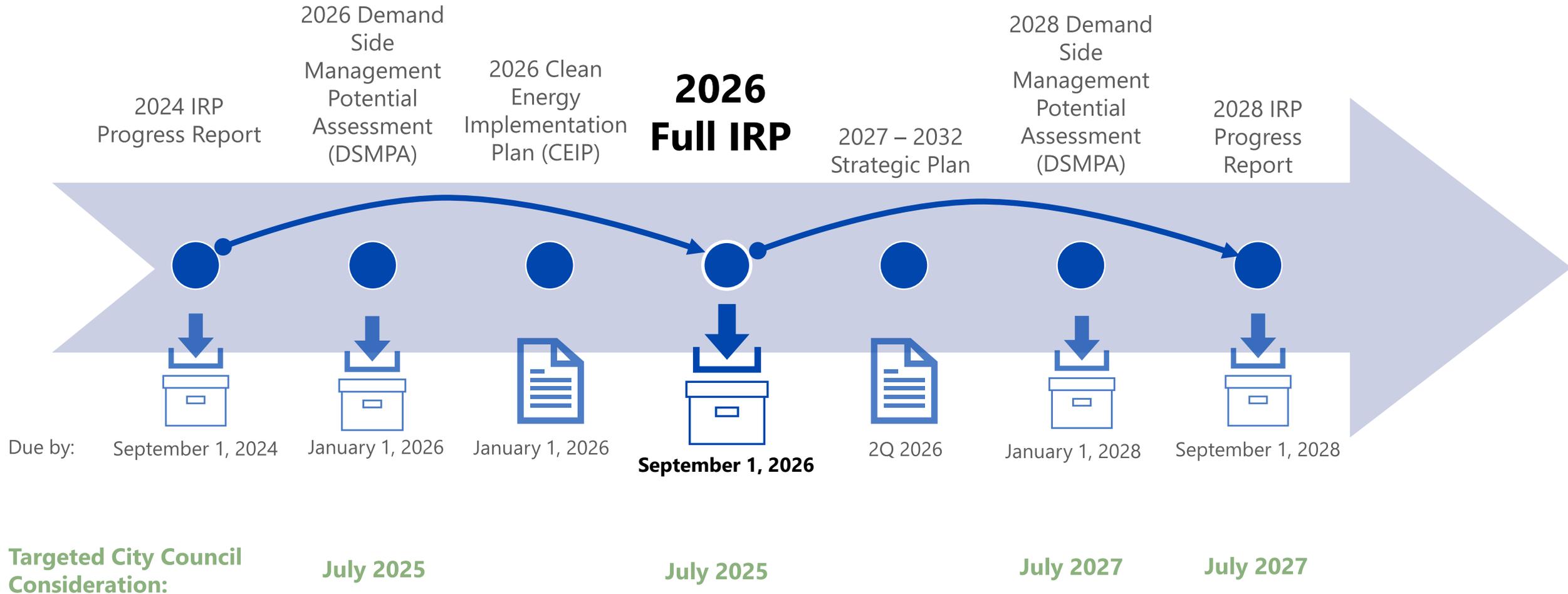


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2026 Integrated
Resource Plan



2026 Integrated Resource Plan (IRP) Timeline Context

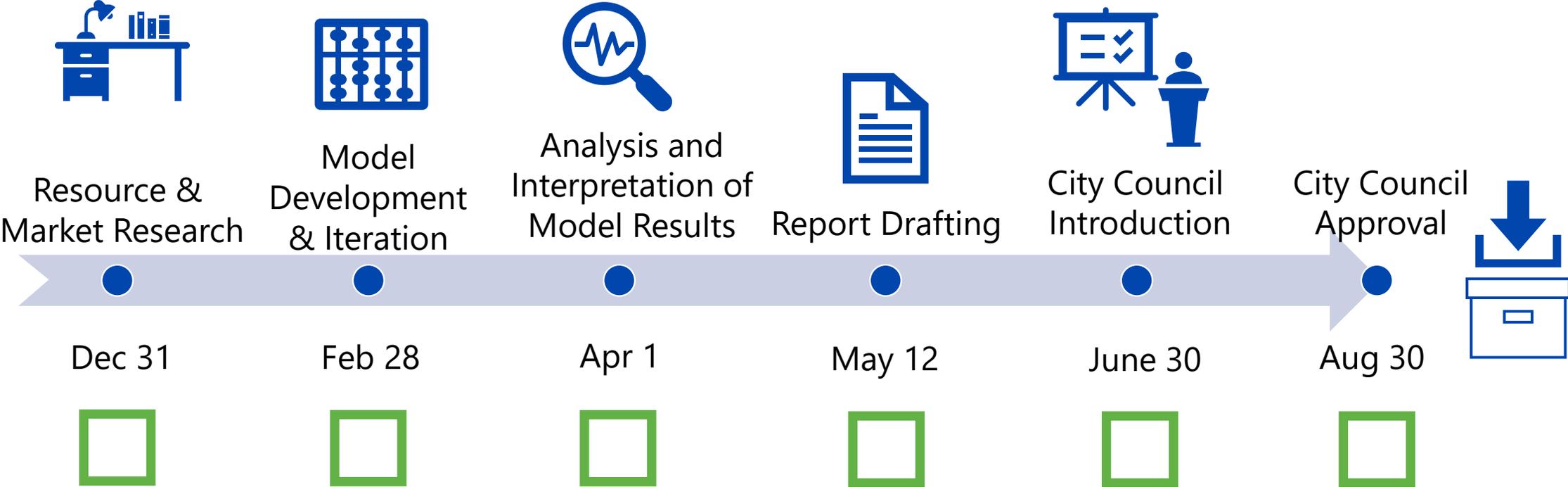


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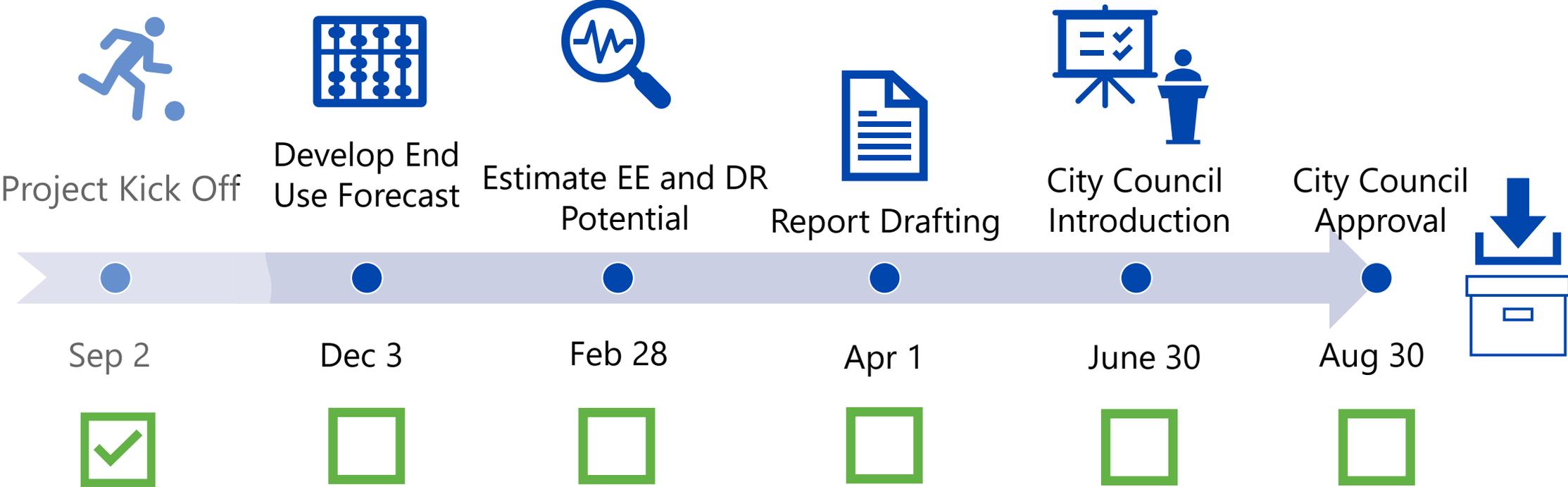
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2026 IRP Report Milestone Schedule

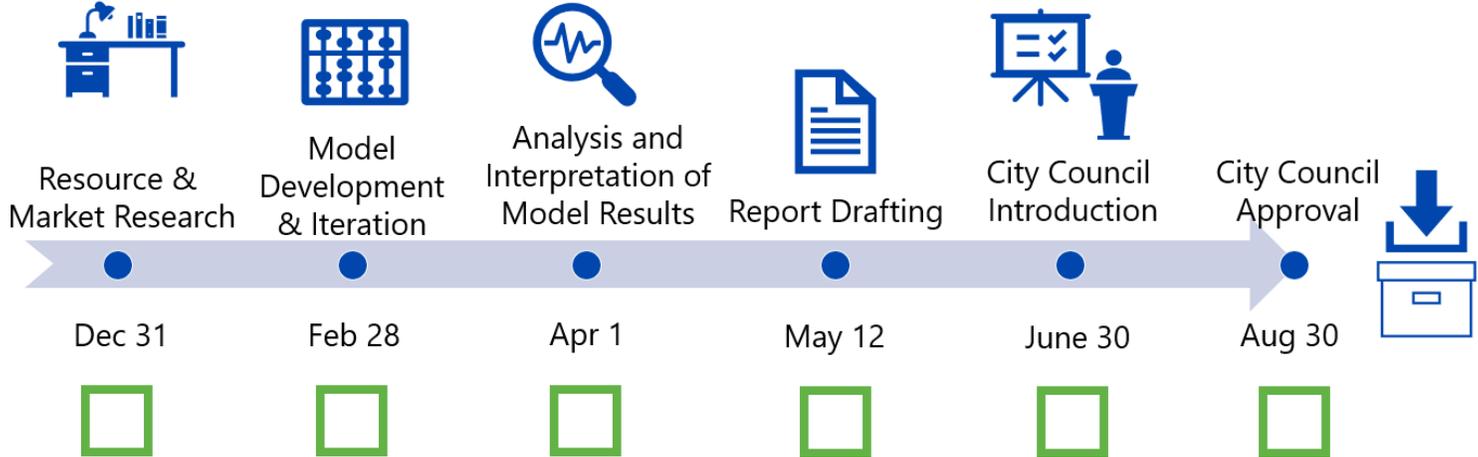


2026 DSMPA Milestone Schedule

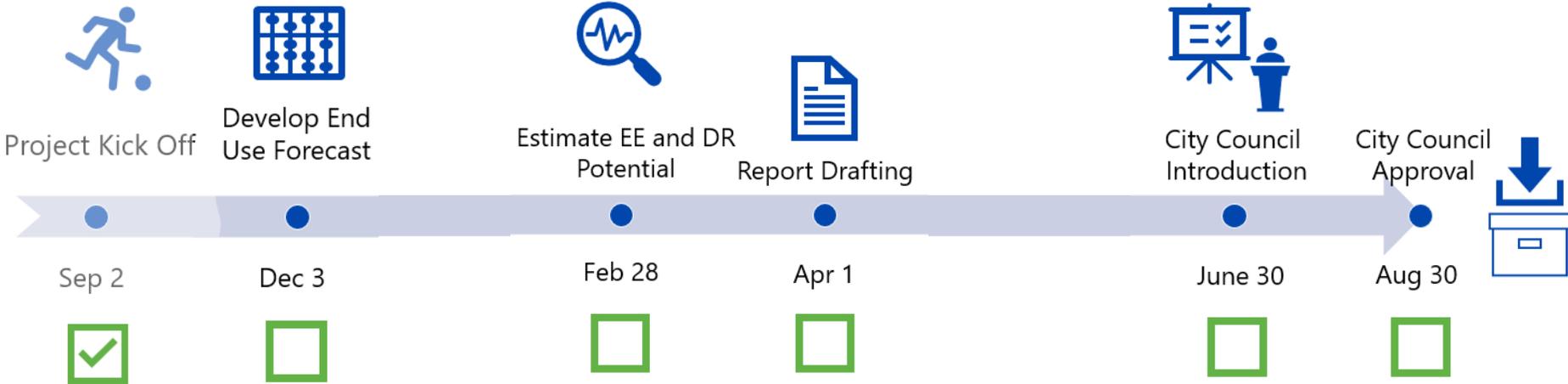


2026 DSMPA/IRP Milestone Schedule

2026 Full IRP



2026 Demand Side Management Potential Assessment (DSMPA)



How 2026 DSMPA will differ from previous studies

Energy
efficiency

Demand
response

Emerging
technologies

Electrification

Equity: highly
impacted
communities

Climate
change

Similar assumptions to 2024 DSMPA with slight modifications to demand response products and unified electrification and climate change scenario.

2026 DSMPA Study Horizon:
2026-2045

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Next Meeting

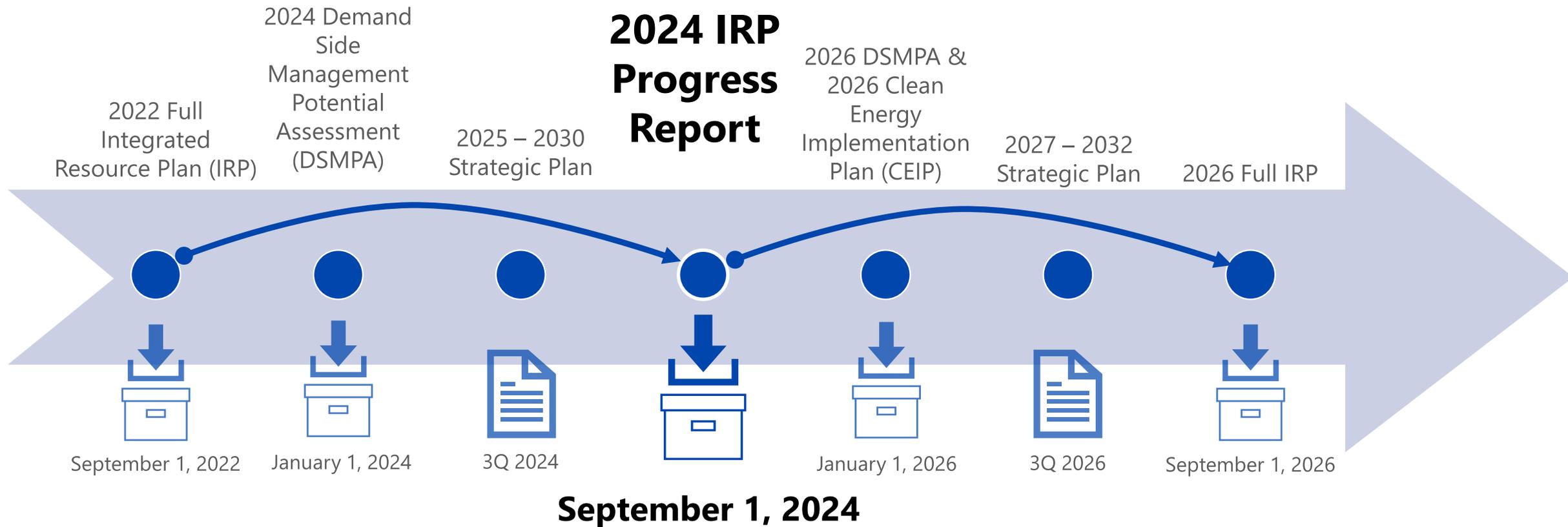
- December/January planned agenda
 - Load forecast
 - IRP Parameters/Assumptions
- Estimated 2025 meetings:
 - February
 - April

THANK YOU



Seattle City Light

Appendix A: 2024 Integrated Resource Plan (IRP) Progress Report Timeline Context



Mission, Vision, and Values

Mission

Seattle City Light safely provides our customers with affordable, reliable, and environmentally responsible energy services.

Vision

Create a shared energy future by partnering with our customers to meet their energy needs in whatever way they choose.

Values



Customers First



Environmental Stewardship



Equitable Community Connections



Operational and Financial Excellence



Safe and Engaged Employees