



**WATER  
AGENCY**

# Energy Master Plan

Regular Board Meeting

July 2023

# Topics

- **Purpose of the Energy Master Plan**
- **Plan Components**
- **Solicitation & Contract**
- **Schedule & Budget**
- **Recommendation**

# Purpose of the Plan

## GOAL E

Effective Operations

Provide the Agency  
with effective  
leadership,  
administration, and  
governance.

## Initiative 16

**Develop and implement an energy strategy**

# Purpose of the Plan

Develop a **strategy** that supports the planning and implementation of cost-effective energy projects and programs that optimize Zone 7's energy use portfolio, energy resiliency, and carbon footprint.

# Purpose of the Plan

- Define Energy Policy
- Prioritization framework
- Energy Project Roadmap



# Plan Components

**Baseline  
Assessment**

**Energy Policy  
Development**

**Framework &  
Project  
Screening**

**Energy Master  
Plan Reports**

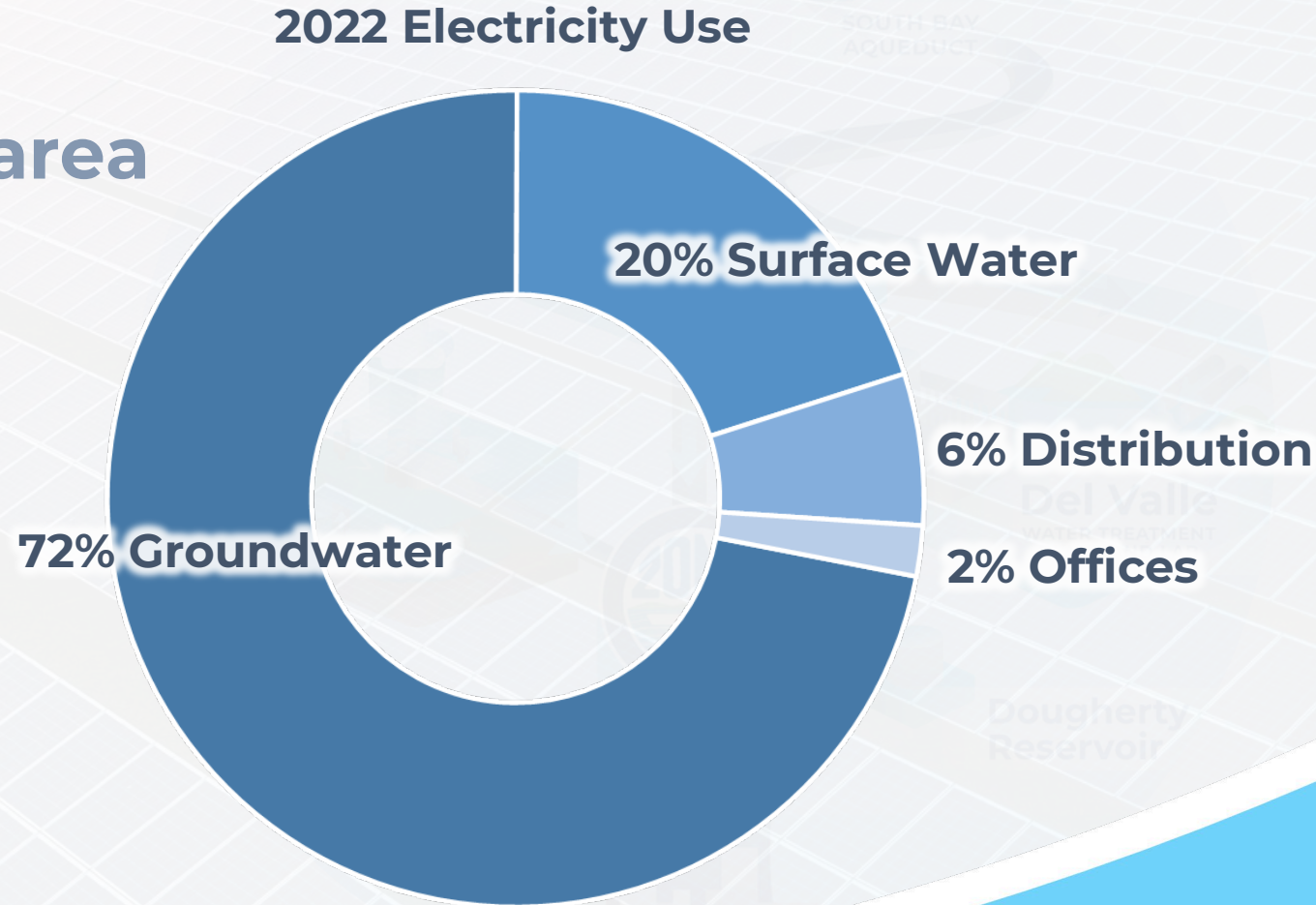
# Baseline Assessment

- Energy Portfolio
- Benchmarking
- Opportunity Assessment
- Informs Energy Policy



# Baseline Assessment

- Primary electricity use area
- Needs more context via Opportunity Assessment

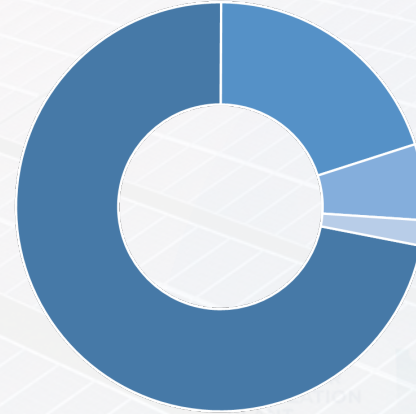




# Baseline Assessment

- Other energy sources
- Consider emissions
- Benchmarking
- Opportunities

Electricity



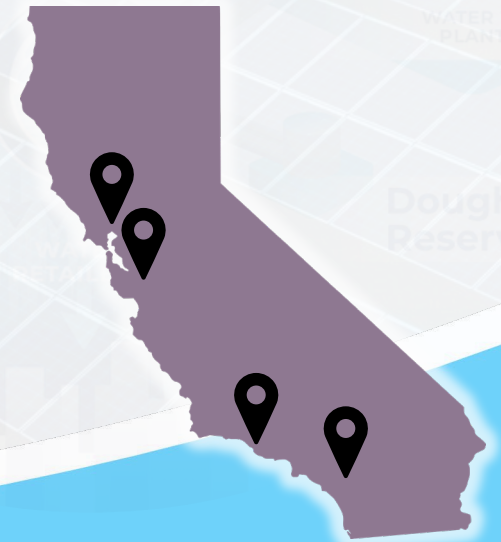
Liquid Fuel



Natural Gas

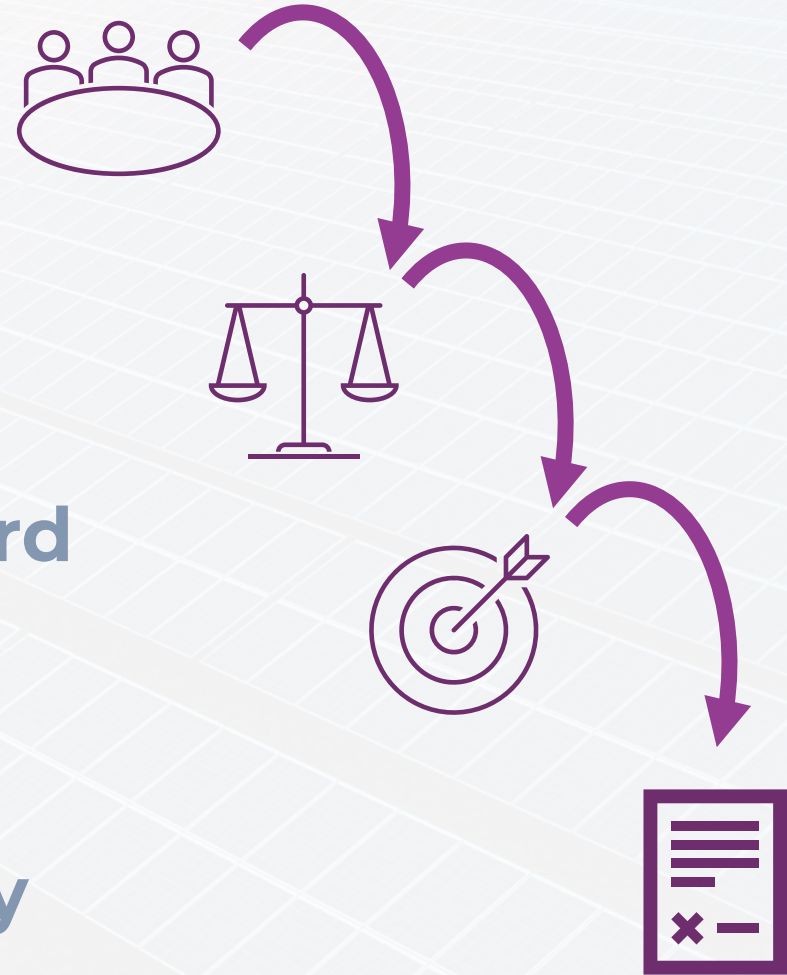


Emissions



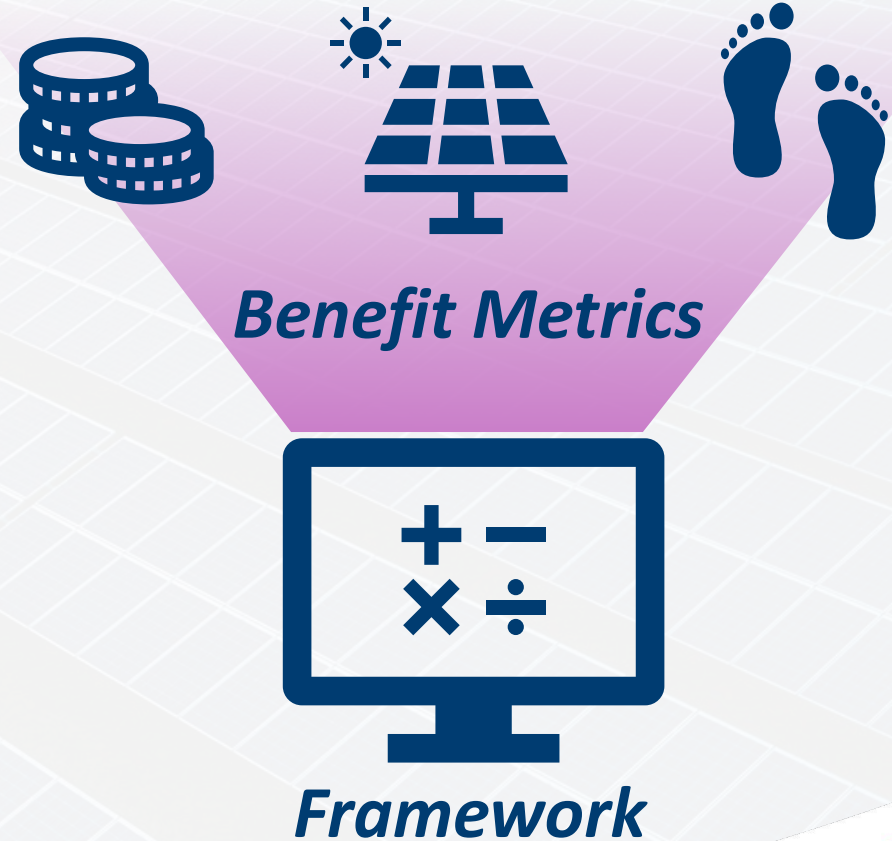
# Energy Policy

- **Set Agency's Energy Policy**
- **Collaborative process with Board**
- **Consider benefit importance**
- **Author and adopt Energy Policy**



# Screening Framework and Roadmap

- **Develop framework**
- **Identify potential projects**
- **Screening-level analysis and energy project roadmap**



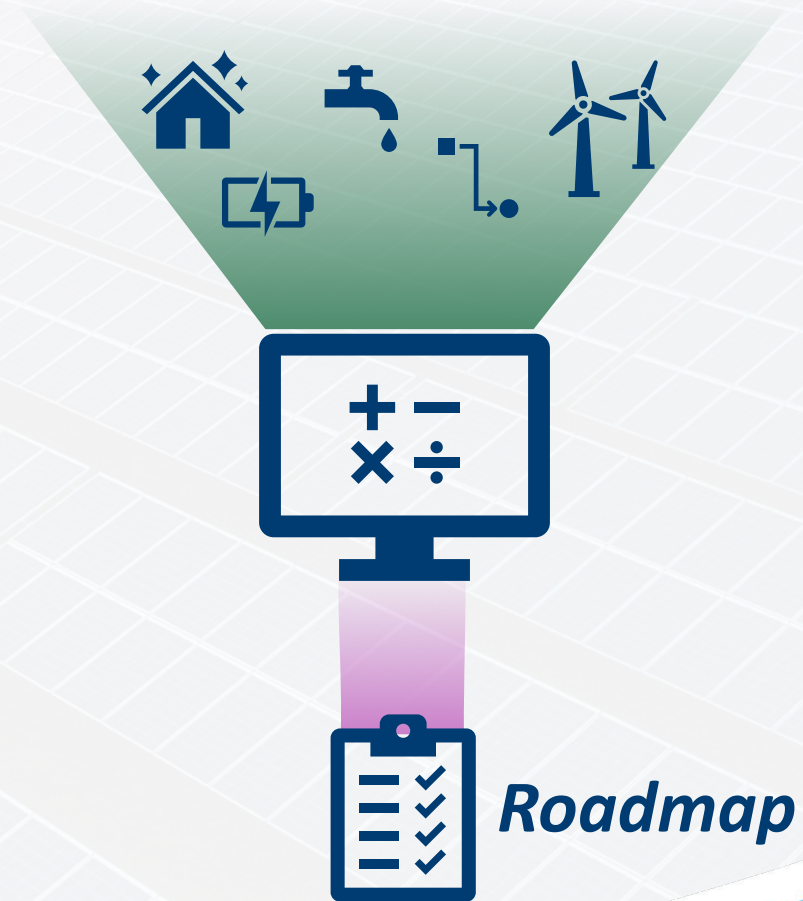
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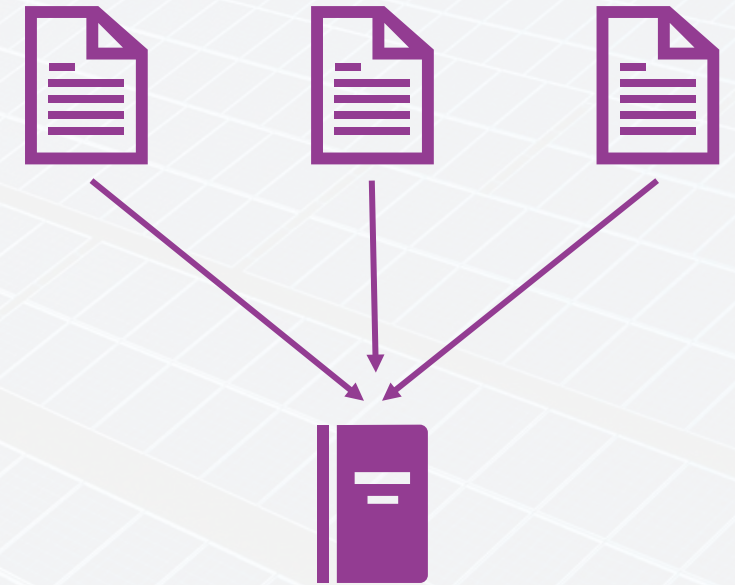
# Screening Framework and Roadmap

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- **Screening-level analysis and energy project roadmap**



# Energy Master Plan Reports

- Main report, technical appendices
- Set process and timing for:
  - Program progress reporting
  - Plan updates (~5-year cycle)



# Solicitation

- RFP closed in May
- One response from Carollo
- Experienced team

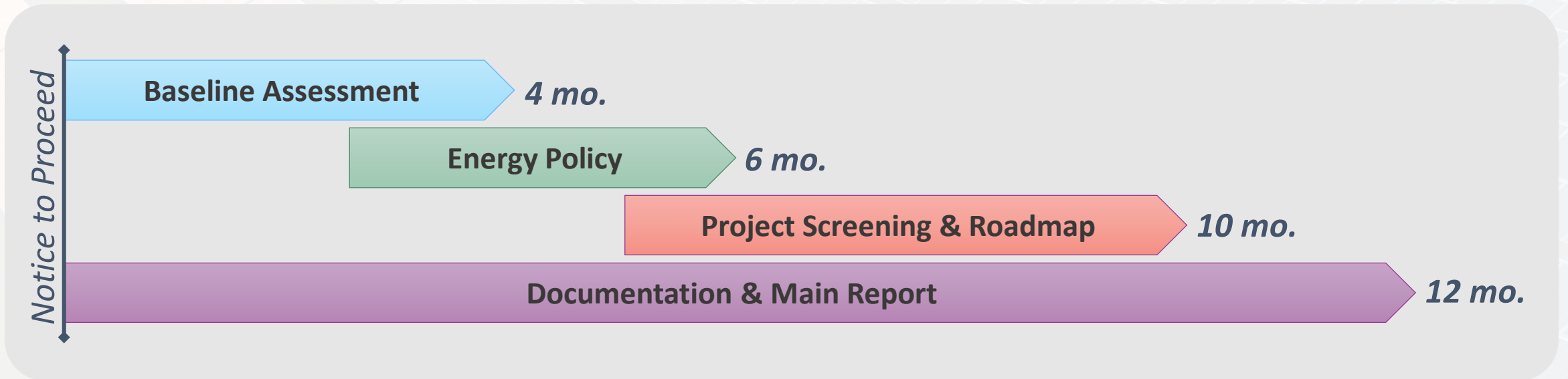
**Zone 7 Water Agency**  
100 North Canyons Parkway  
Livermore, CA 94551



**Request for Proposal (RFP) No. 2024-04**  
for  
**ENERGY MASTER PLAN**

# Schedule & Budget

- ~1-year target schedule
- \$350,000 budget





# Recommendation

**Adopt the proposed resolution to contract with Carollo Engineers to support the development of Zone 7's Energy Master Plan.**