



CITY OF SANTA BARBARA
**SUSTAINABILITY COUNCIL COMMITTEE
SPECIAL MEETING**

December 10, 2018
1:30 p.m.
Public Works – Water Resources
Conference Room
619 Garden Street, 3rd Floor

X Mayor Pro Tempore Randy Rowse, Chair
X Councilmember Gregg Hart (1:40 pm)
X Councilmember Kristen Sneddon

Office of the City Administrator
X Matt Fore, Senior Assistant to the
City Administrator

Office of the City Attorney
Ariel Pierre Calonne, City Attorney

Staff

X Alelia Parenteau, Energy Analyst
X Mike Wiltshire, Facilities and Energy
Manager

AGENDA

1. Public Comment

Any member of the public may address the Committee for up to three minutes on any subject within the jurisdiction of the Committee that is not scheduled for public discussion before the Committee.

No public comment was given.

2. Update on the Development of Strategic Energy Plan

Recommendation: That the Sustainability Council Committee receive a presentation on a preliminary draft of the Citywide Strategic Energy Plan and provide input for consideration in future drafts of the Plan.

Action: The Sustainability Council Committee received the presentation from staff.

Documents: PowerPoint presentation prepared by staff.

Speakers:

- City Staff: Alelia Parenteau, Energy Analyst; Matt Fore, Senior Assistant to the City Administrator; Mike Wiltshire, Facilities and Energy Manager
- Public: Michael Chiacos, Community Environmental Council; Katie Davis, Sierra Club, Santa Barbara Chapter; Robert Perry, World Business Academy; Allen Mosher; John Campanella, Planning Commissioner

3. Adjourn

AMERICANS WITH DISABILITIES ACT: If you need auxiliary aids or services or staff assistance to attend or participate in this meeting, please contact the City Administrator's Office at (805) 564-5301. If possible, notification at least 48 hours prior to the meeting will usually enable the City to make reasonable arrangements. Specialized services, such as sign language interpretation or documents in Braille, may require additional lead time to arrange.

AVAILABILITY OF DOCUMENTS: Copies of documents relating to agenda items are available for review in the City Administrator's Office located at City Hall, 735 Anacapa Street, Santa Barbara, CA 93101, and agendas and minutes are also posted online at SantaBarbaraCA.gov/SustainabilityCommittee. Materials related to an item on this agenda submitted to the Sustainability Council Committee after distribution of the agenda packet are available for public inspection in the City Administrator's Office located at City Hall, 735 Anacapa Street, Santa Barbara, CA 93101, during normal business hours.



PUBLIC WORKS DEPARTMENT

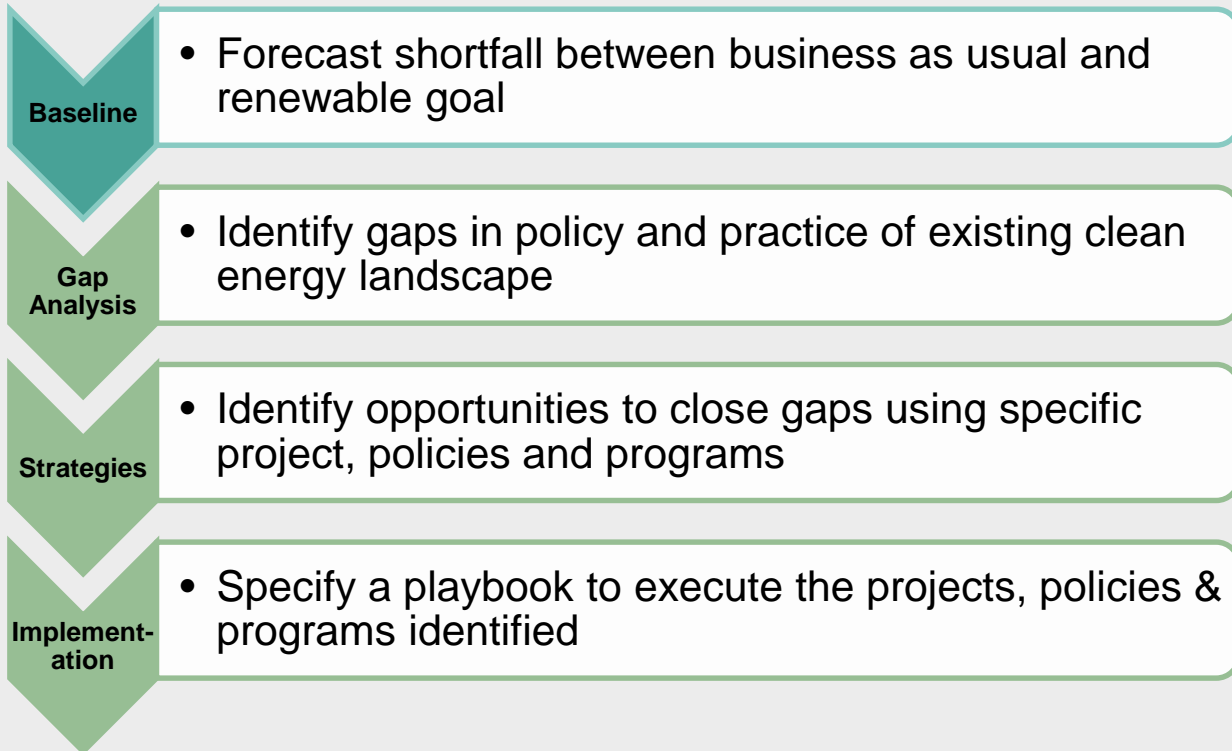
UPDATE ON THE STRATEGIC ENERGY PLAN

December 10, 2018



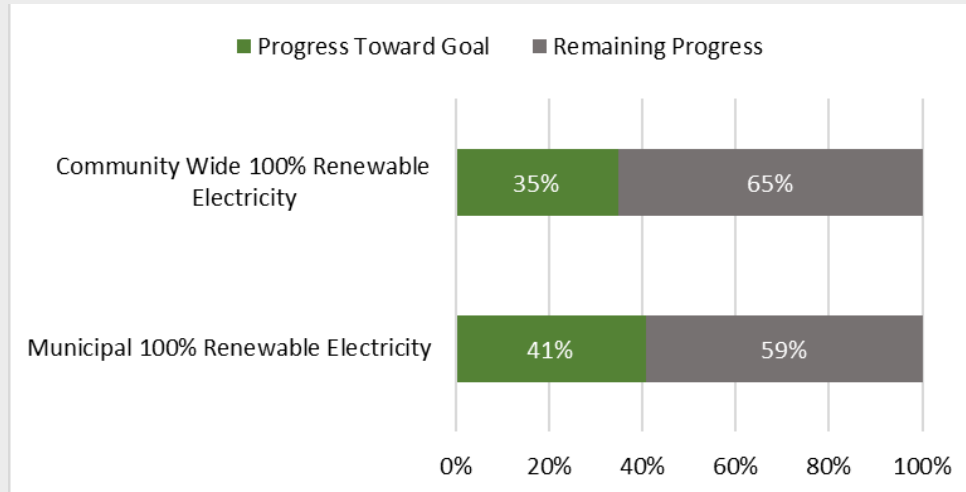
Introduction

- June, 2017 – Council passes 100% renewable electricity goal
- Requested a draft workplan by the end of 2018
- August, 2018 – Contracted with Optony to develop the Strategic Energy Plan



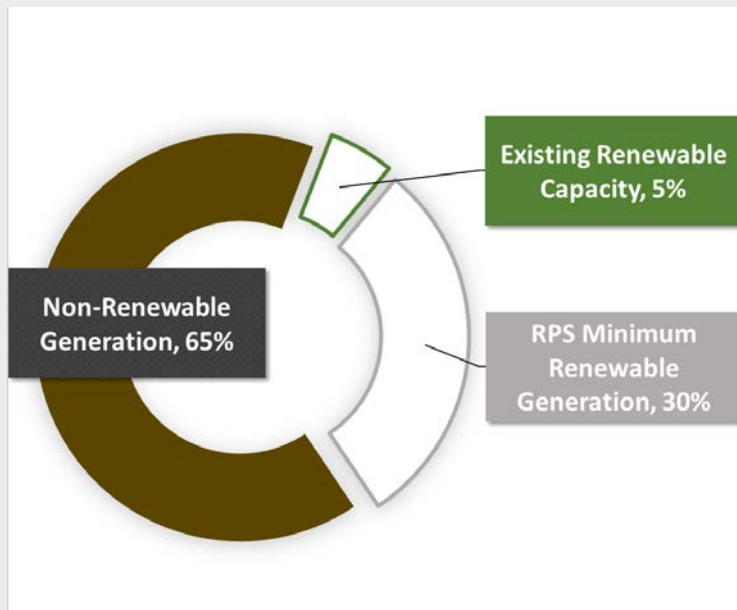


Baseline

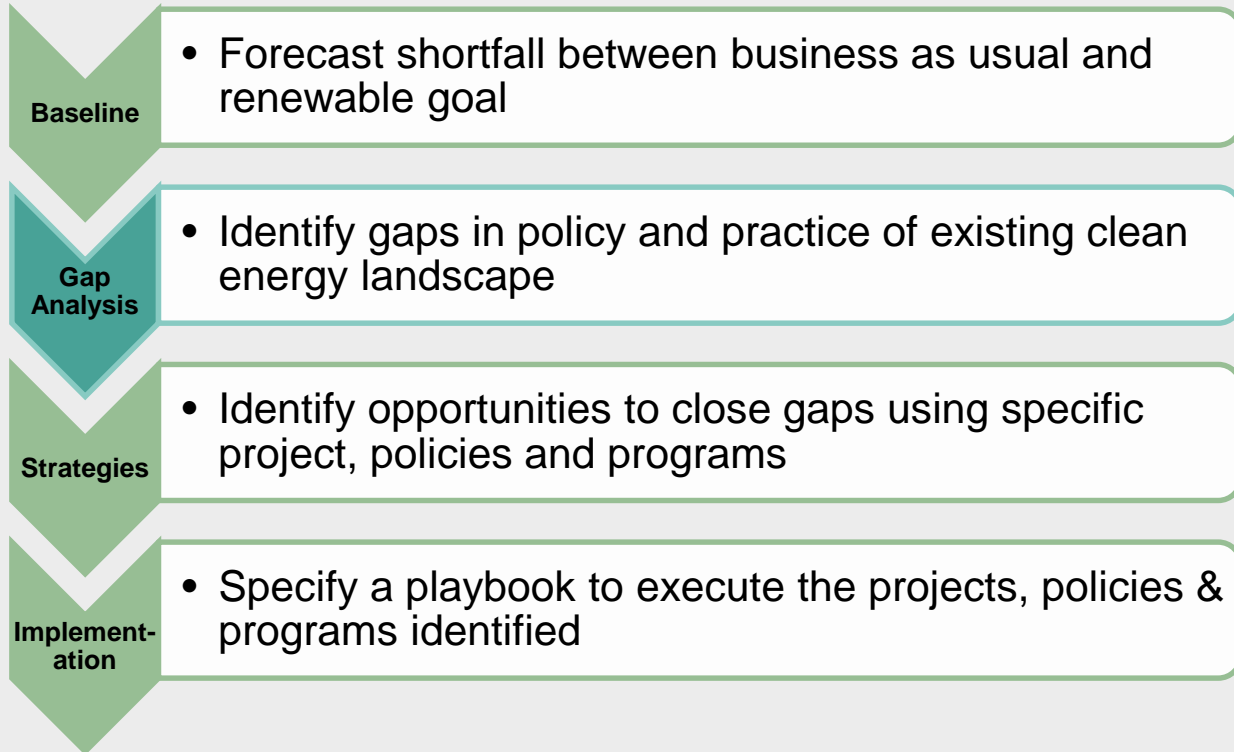




Community Baseline



- Under a business as usual scenario Community would achieve 67% renewable electricity by 2030





Gap Analysis

- Local Authority
- Infrastructure
- Public Understanding & Motivation
- Resilience Planning
- Regulatory Congestion
- Funding



Framing the Gap Analysis

- Base on Energy use hierarchy
- Increased community disaster resilience through local power generation and grid independence
- Include solutions that:
 - Promote local economic development through electricity cost savings and job creation
 - Decrease local pollution and improve public health through avoided fossil fuel generation



Study Priorities

- Renewable resources considered:
 - *Solar, Wind, Small Hydro, Geothermal, Biomass*
- Exclude resources not considered renewable
 - *Coal, Natural Gas, Large Hydro, Nuclear*
- Avoid using REC offsets to achieve goal



Study Process

- Internal Stakeholder Meetings
 - Water Resources
 - Building & Safety
 - Planning
 - Transportation
 - Airport
- External Stakeholder Meetings
 - Non-profit Sector
 - Vendors (solar, real estate, etc)
 - Govt agencies (MTD, APCD, etc).
 - Potential Marketing Partners (SB Bowl, SBA, Green Business Program)



Stakeholder Feedback

- Main Barriers to Renewable Energy Development
 - Lack of knowledge of existing energy programs
 - Perception of high costs
 - High percentage of renters
 - Lack of incentives and funding for upfront capital costs
- Most popular strategies:
 - Further solar permit streamlining
 - On-bill Financing
 - Performance Based Incentive
 - Community Solar
 - Regional Energy Planning Group
 - Outreach/advertising with community partners (Airport, SBMTD, SB Bowl)



Solar Siting Survey

Established Definitions

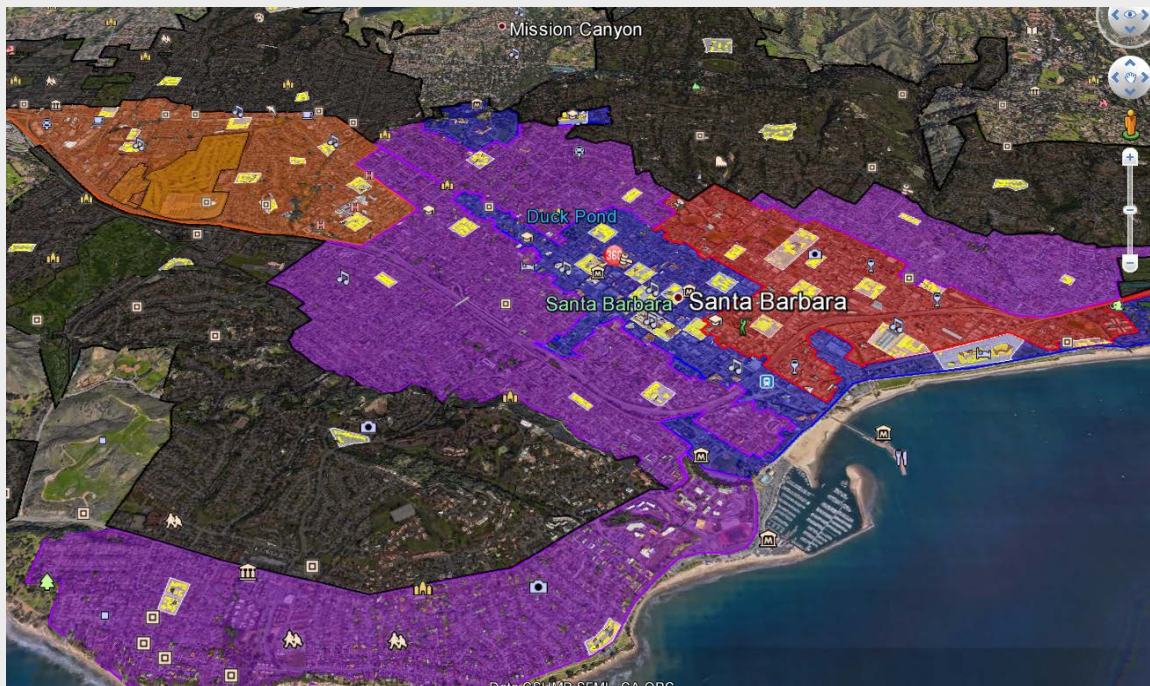
- **Tier 1:** Within Santa Barbara city limits
- **Tier 2:** Within a local regional boundary (ex: 100 miles)
- **Tier 3:** Outside a regional boundary, purchasing REC offsets

Study Considered:

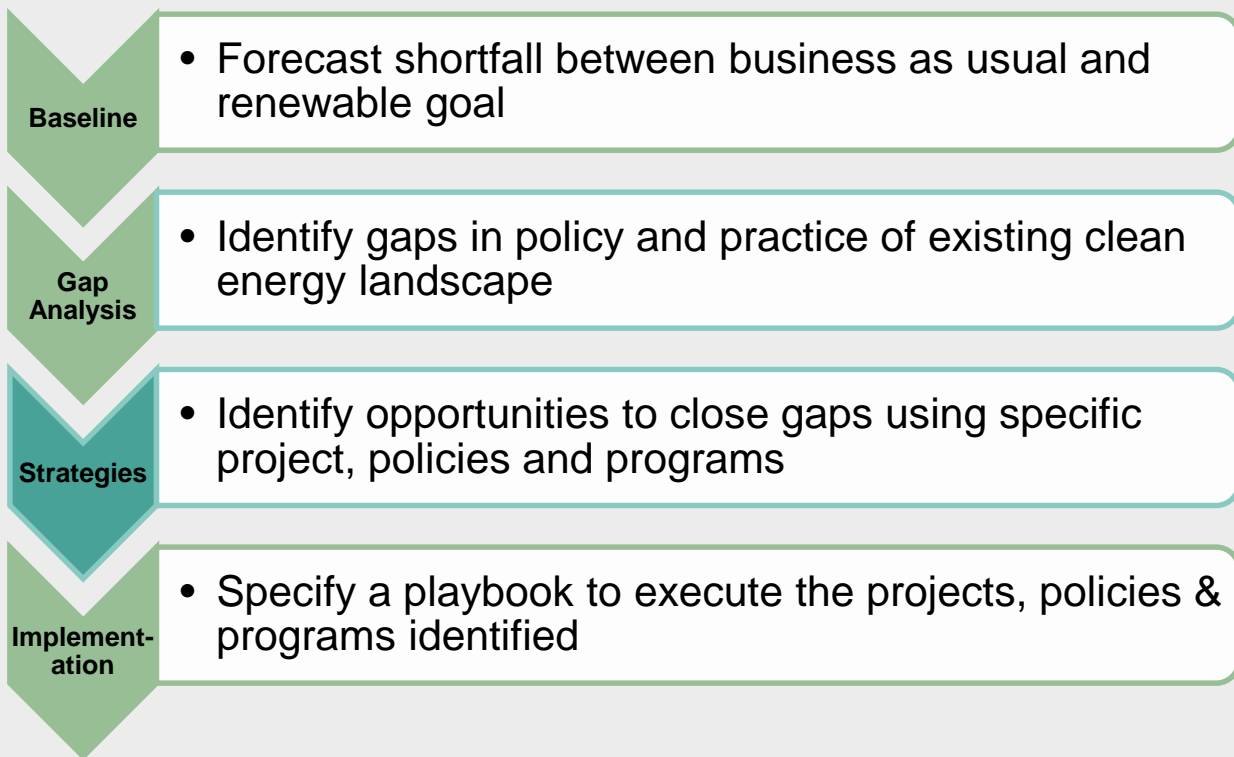
- Building types
- District (historic, etc)
- Shading



Solar Siting Survey



- Need approx. 240MW of solar to meet estimated local electricity need in 2030
- Max. Solar Capacity of 330MW
- Assume adoption of 110MW local solar
- Reach 49% of goal





Potential Strategies By Program Area

- Five Program Areas Identified
 1. *Administrative Policies & Procedures*
 2. *Energy Partnerships & Structures*
 3. *Municipal Pilot Projects*
 4. *Community Engagement*
 5. *Funding Sources & Financial Incentives*



1. Administrative Policies & Procedures 24%

- Streamline Permitting Process for Energy Measures (Energy Efficiency, Renewables, EVs)
- Explore State Energy Code Amendments for Local Application
- Disclosure Statement of Building Efficiency at Time of Sale
- Financial Incentives

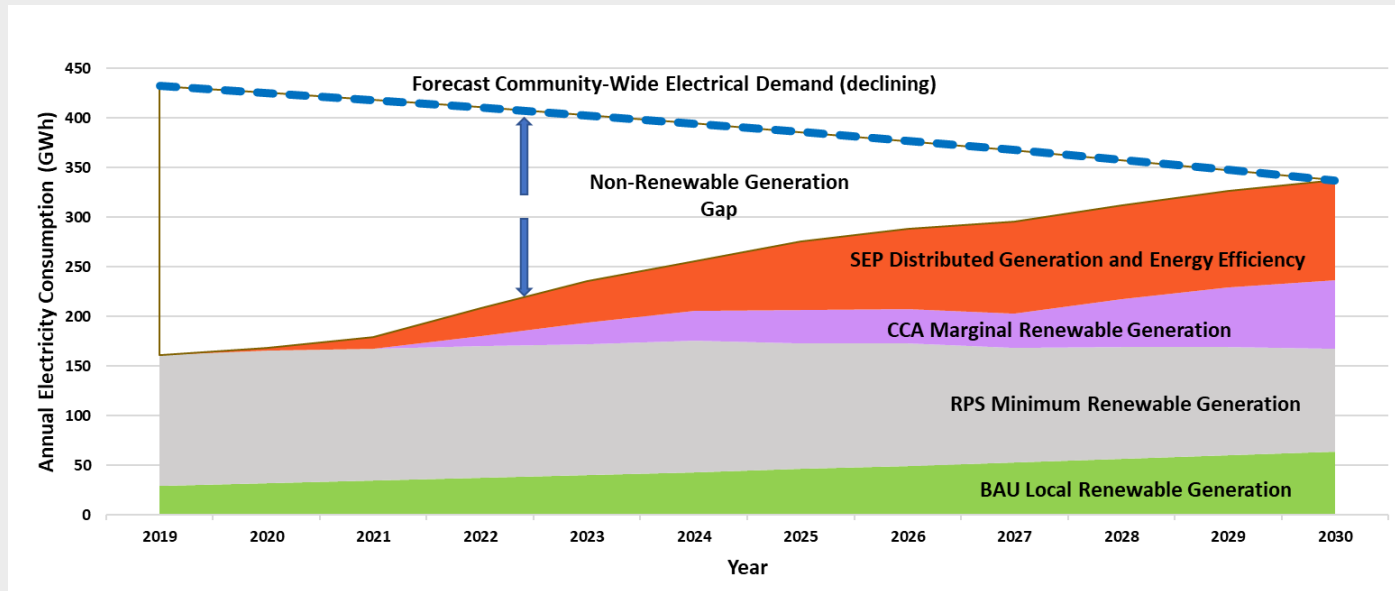


2. Energy Partnerships & Structures 21.5%

- Adopt an Energy Resiliency Plan & Work Regionally on Energy Issues
- Continue to Pursue Community Choice Energy (CCE)

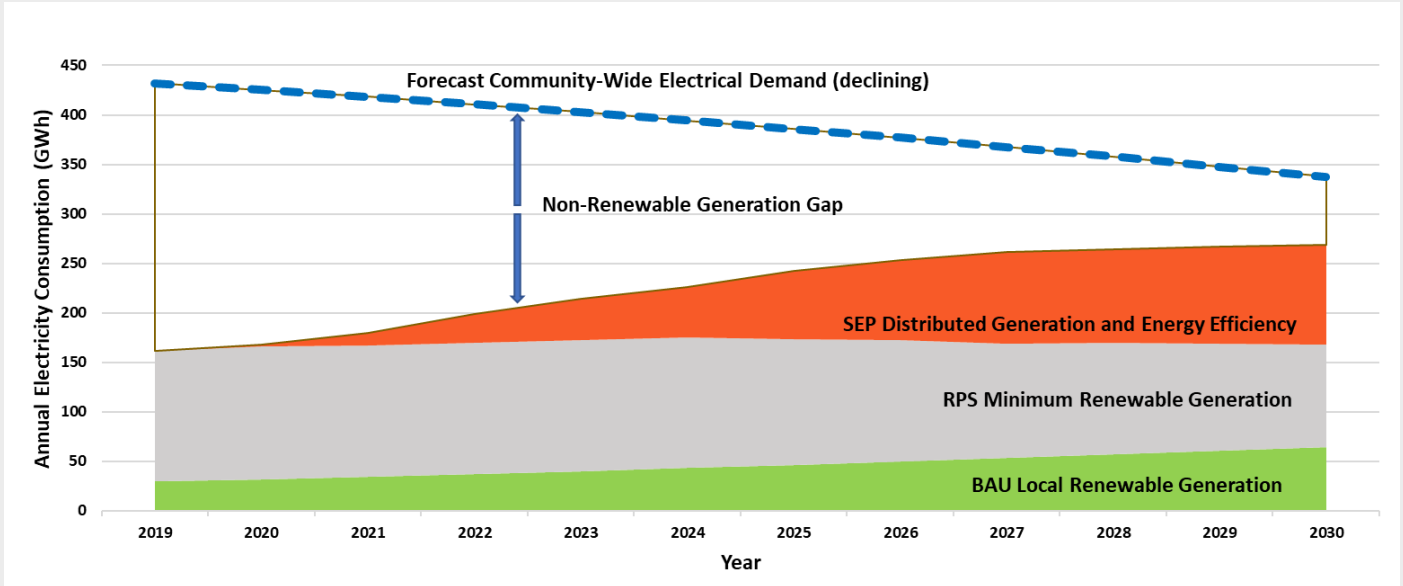


Power Mix with CCE





Power Mix without CCE





3. Municipal Pilot Projects

2.5%

- Energy Measures & Microgrids at Municipal Facilities
 - *Maximize City infrastructure as a resource*
 - *Increase resiliency at critical facilities*
- Pursue Community Solar
- Create Smart Energy District



4. Communitywide Engagement Initiatives

2%*

- Create Energy One-Stop Shop



Rates Help



Permitting and Installation Help



Rebates & Incentives



Utility Program Help



PACE & Other Program Mgmt



Energy Audit Help



City Progress & Projects



Grant and Funding Mgmt



Education & Outreach



Energy Advocacy



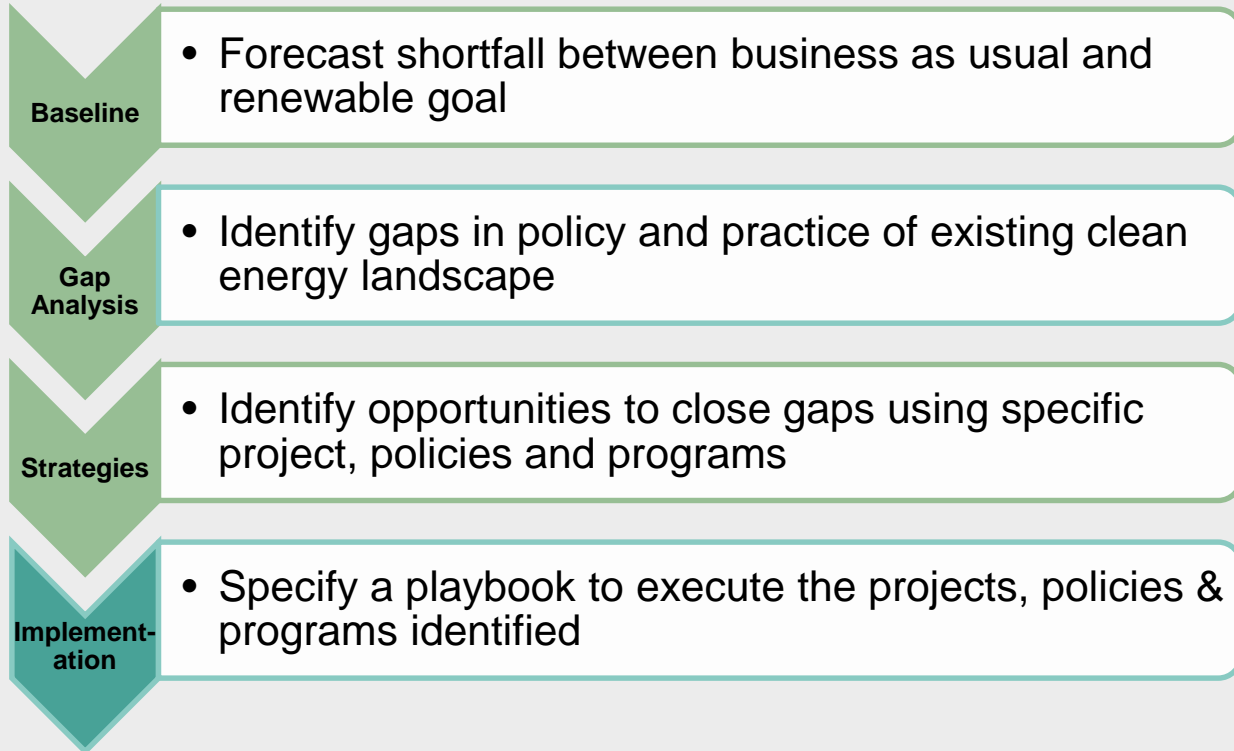
5. Funding

- To be developed in next phase:
 - *Budget Development*
 - *Menu of Funding Options*
 - *Grant Opportunities and Concept Project Proposals*



Strategic Impacts in 2030

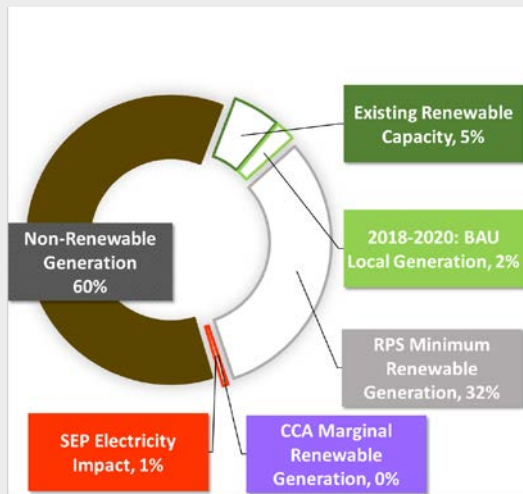
Program Area	Process Toward Goal	
Existing Renewable Capacity	7%	
BAU Local Generation	12%	
RPS Minimum Generation	31%	
Administrative Policies & Procedures	24%	} SEP Strategies
Energy Partnerships & Structures	21.5%	
Municipal Pilot Projects	2.5%	
Community Engagement Initiatives	2%	



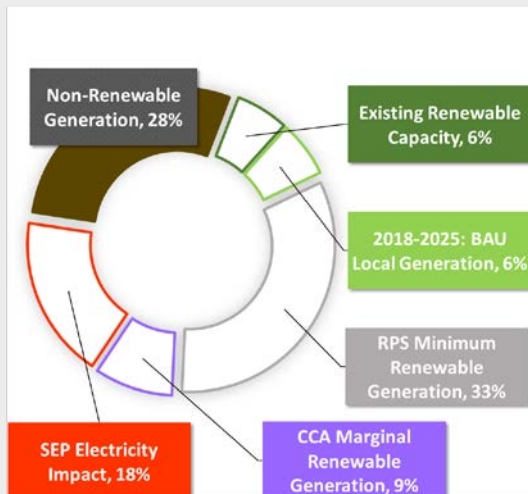


Projected Future Electricity Mix

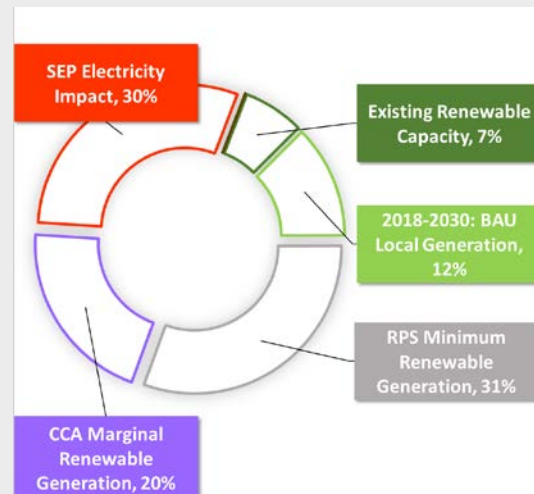
2020



2025



2030





Next Steps

- Gather input from Council Sustainability Committee
- Present to full Council
- Conduct additional stakeholder engagement
- Finalize Strategy List
- Develop budget and funding mechanisms for implementation



Key Questions for Today

- Feedback on strategy options / direction so far
 - *Any to eliminate?*
 - *Any missing?*
- Thoughts on Timeline / Process
- Key messaging for full Council presentation?