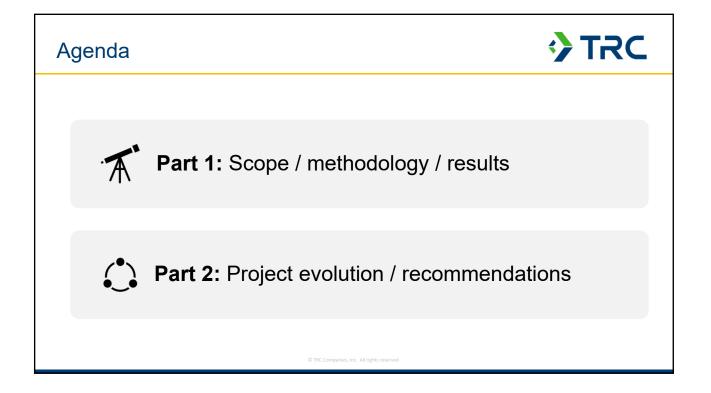
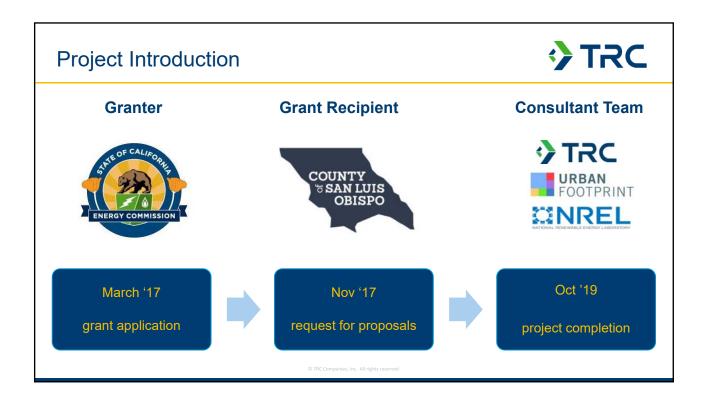
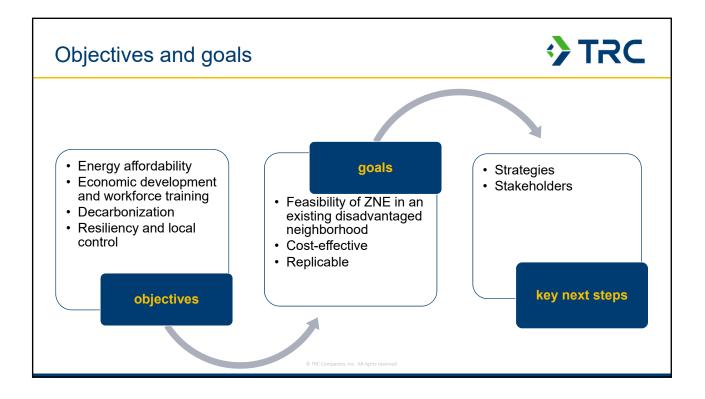


Opening the Door to ZNE for Disadvantaged Communities: Oceano Study

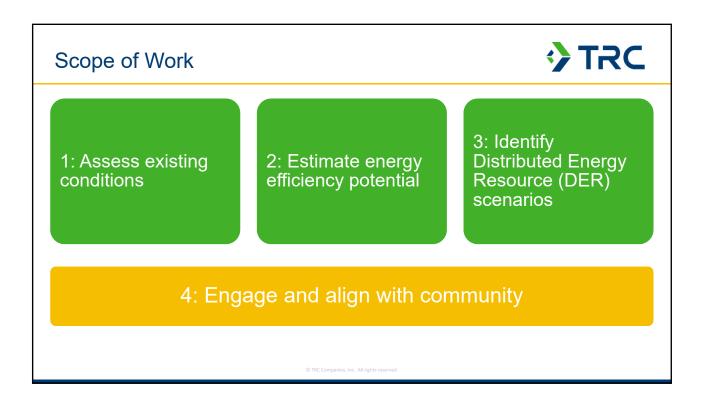
Farhad Farahmand, TRC Jon Griesser, County of San Luis Obispo

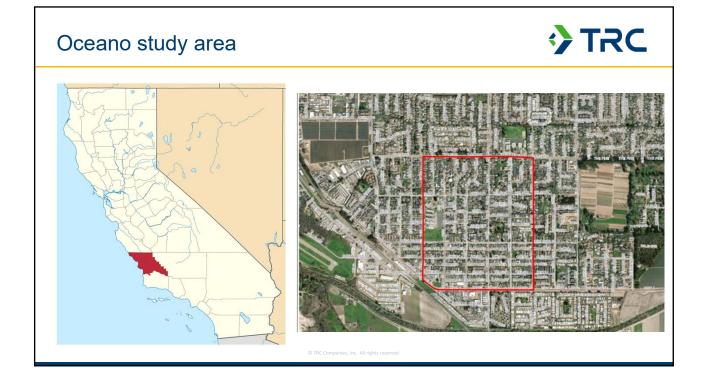


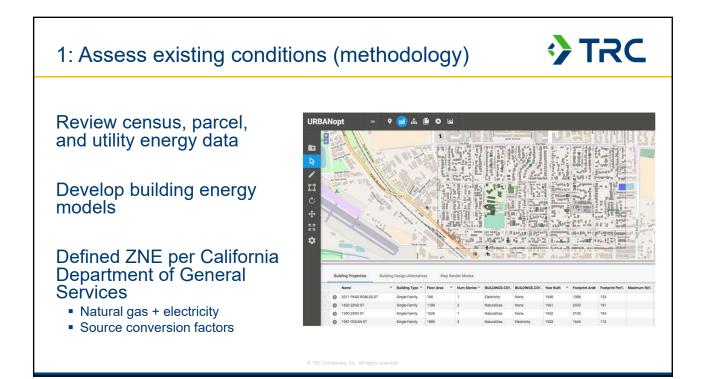


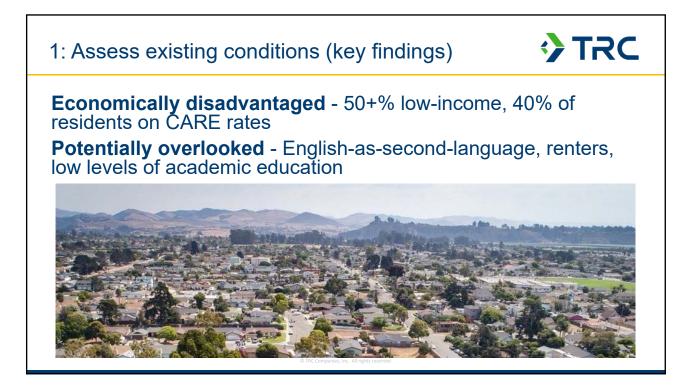


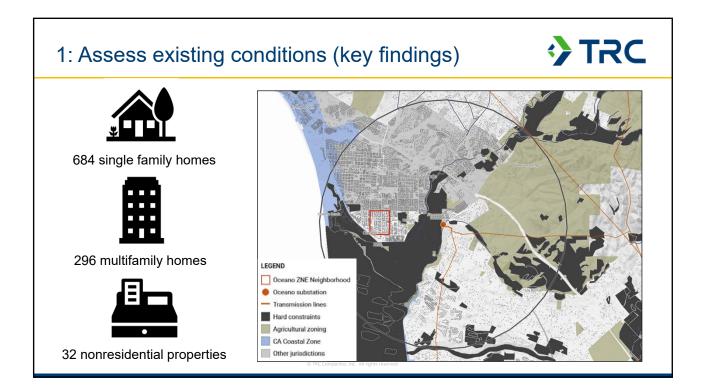




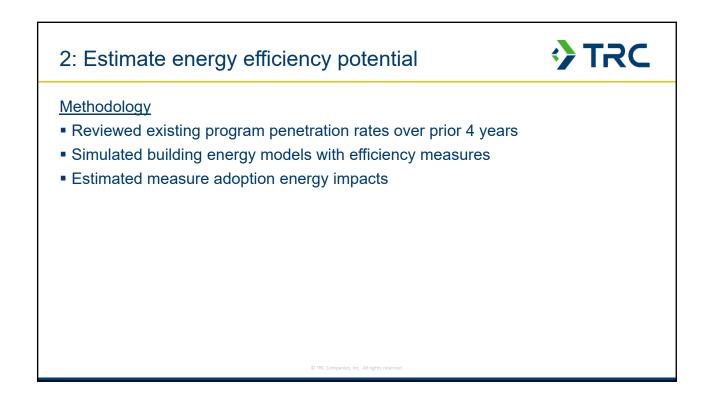




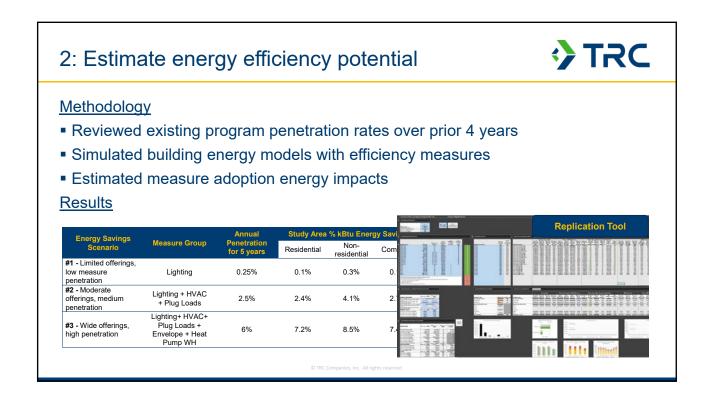




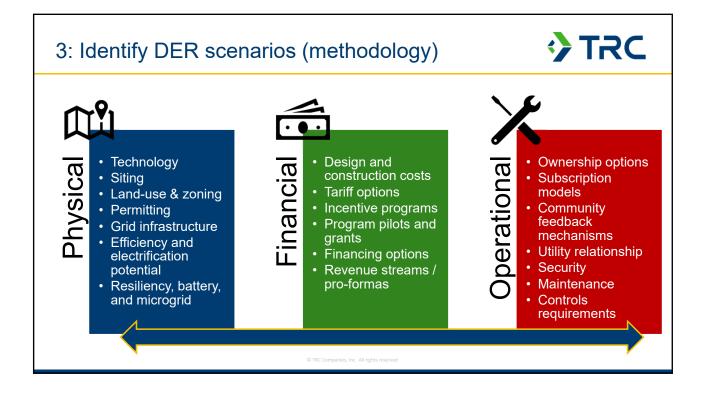


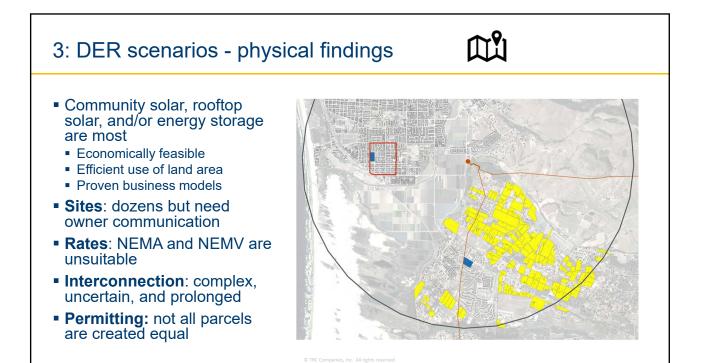


TRC 2: Estimate energy efficiency potential **Methodology** Reviewed existing program penetration rates over prior 4 years Simulated building energy models with efficiency measures Estimated measure adoption energy impacts Results Study Area % kBtu Energy Savings Annual Energy Savings Scenario Measure Group Non Residential Combined residential or 5 year #1 - Limited offerings, low measure Lighting 0.25% 0.1% 0.3% 0.1% 12 kW penetration #2 - Moderate Lighting + HVAC 2.5% 2.4% 4.1% 2.7% 180 kW offerinas, medium + Plug Loads penetration Lighting+ HVAC+ #3 - Wide offerings, Plug Loads + 6% 7.2% 7.4% 450 kW 8.5% Envelope + Heat high penetration Pump WH



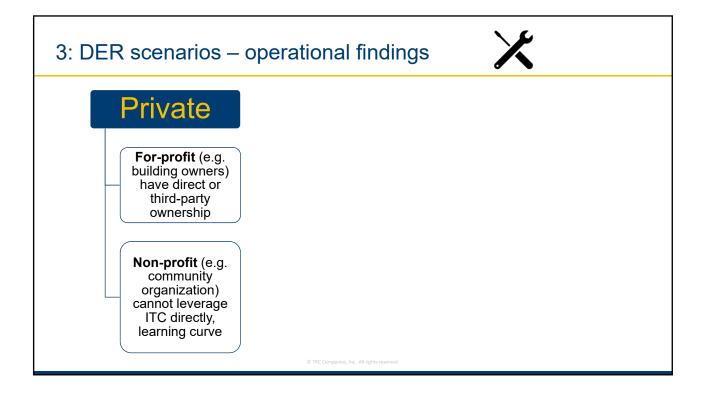


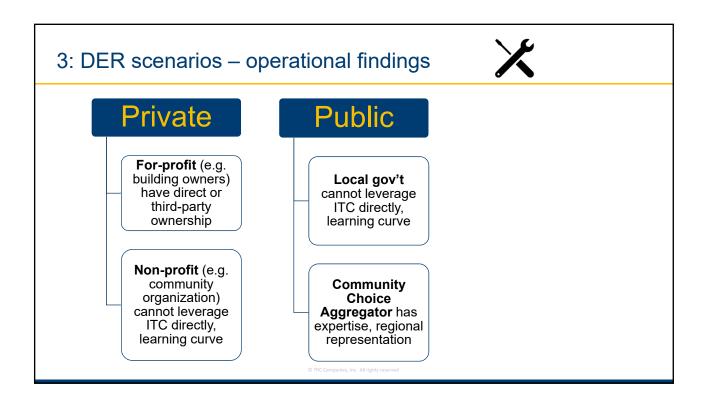


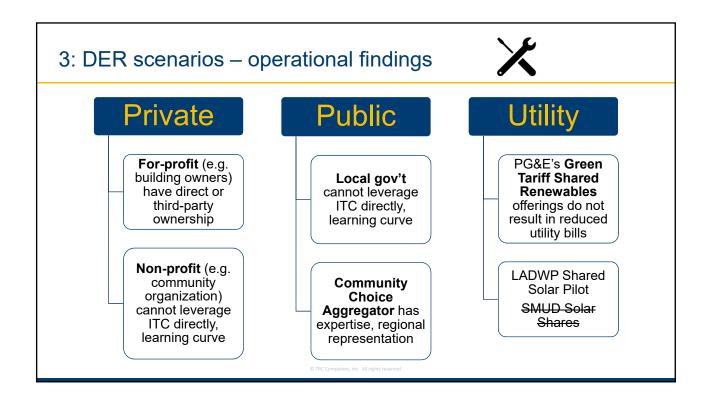


3: DER scenarios –			
Private	Local and Federal Gov't	Innovation	
 ITC PPAs Incentive programs SGIP SASH ITC Solar Leasing Loans Land-secured financing 	 Solar bonds Enhanced Infrastructure Finance Districts Tax Exempt Lease- Purchase Agreements Community Choice Energy On-bill repayment Public benefit funds PACE Opportunity Zones 	 Pre-selling subscriptions Crowd financing Grants Community Development Block Grants Weatherization Assistance Program ESDER initiative 	

9





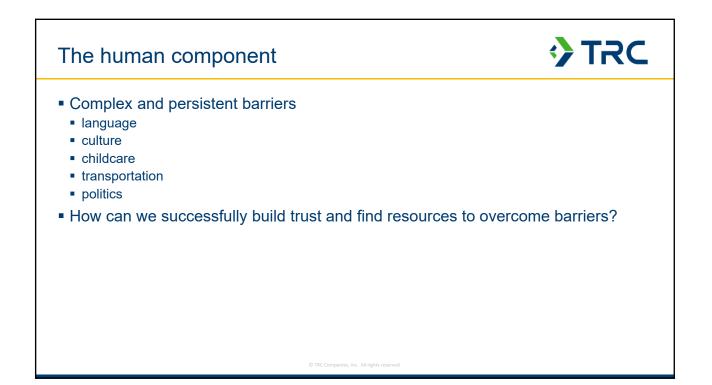






Recomm	endations - Overview	/				
STRATEGIES		OBJECTIVES				
		S S S S S S S S S S S S S S S S S S S	Sind Sind Sind Sind Sind Sind Sind Sind	becation te	Selection of the select	
foundational	energy efficiency	•	•	•		
	rooftop solar PV	•	•	•	•	
	beneficial electrification	•	•	•		
	community solar	•	•	•	•	
aspirational	battery storage / microgrid	•		•	•	
	fuel cells / research hub		•	•	•	
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TRC Recommendation - Community solar Challenges Limited \$ benefits in current regulatory framework Grid harmonization issues when generating electricity to offset gas CCA currently unavailable for investment / expertise. If available, they already provide a high degree of renewable power Co-operative solution **PEOPLE POWER SOLAR COOPERATIVE** Owners have shares, receive dividends Portion of dividends reserved for other Subscriber Owners, General Owners, Ocientation community resilience efforts who get electrical power or who provide capital and other to the other benefits or services from support for projects. Cooperative the Cooperative. Anchor Owners, Well-established CBOs as Anchor Worker Owners, who provide leadership or who provide technical, Owners, supported by local gov't spearhead development of operational, and organizing projects. support to all other Owners. to serve as More info at: https://www.peoplepowersolar.org/





Thank You

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