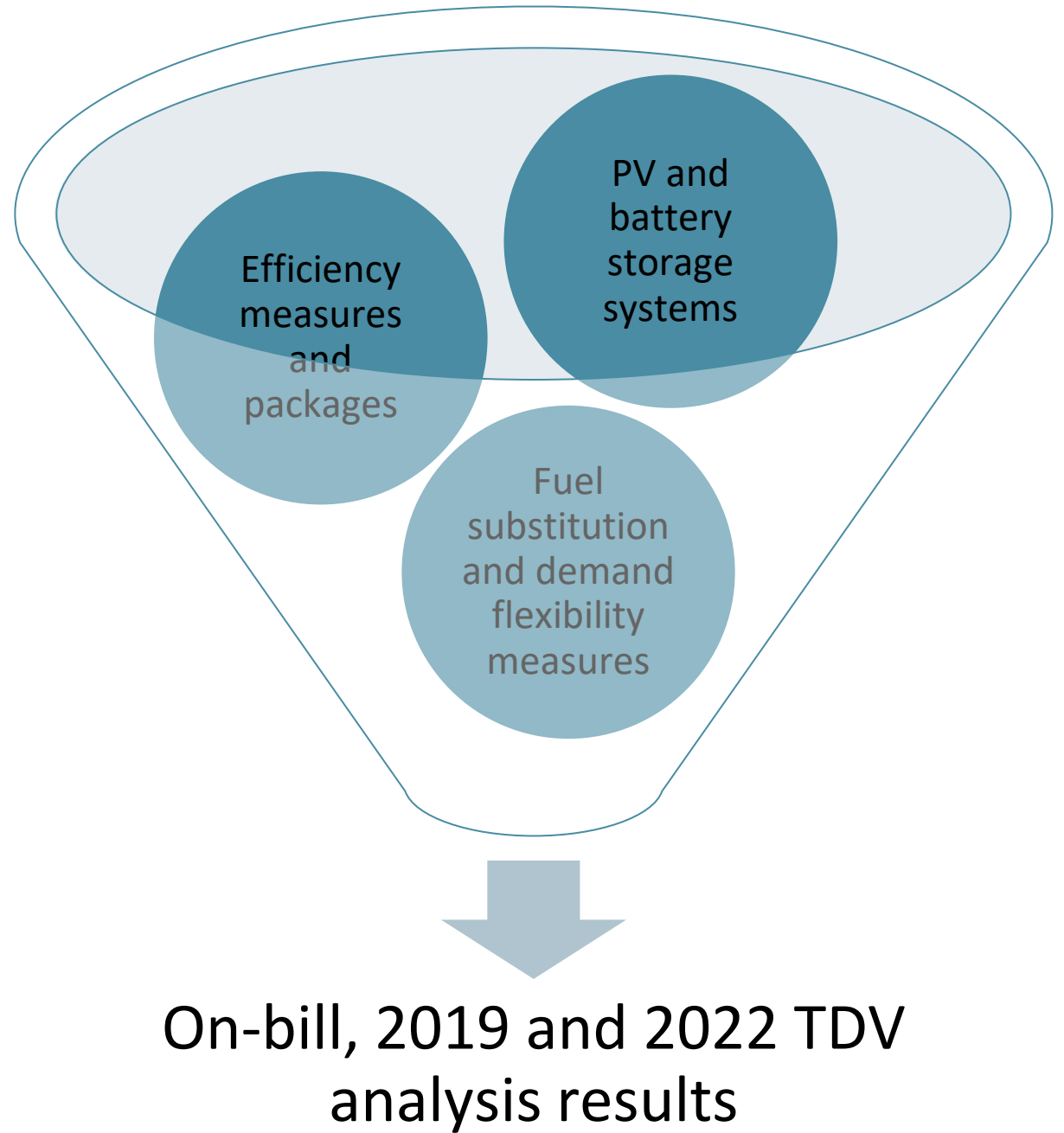


Decarbonizing Bay Area Homes: Leveraging Cost-effectiveness Analyses

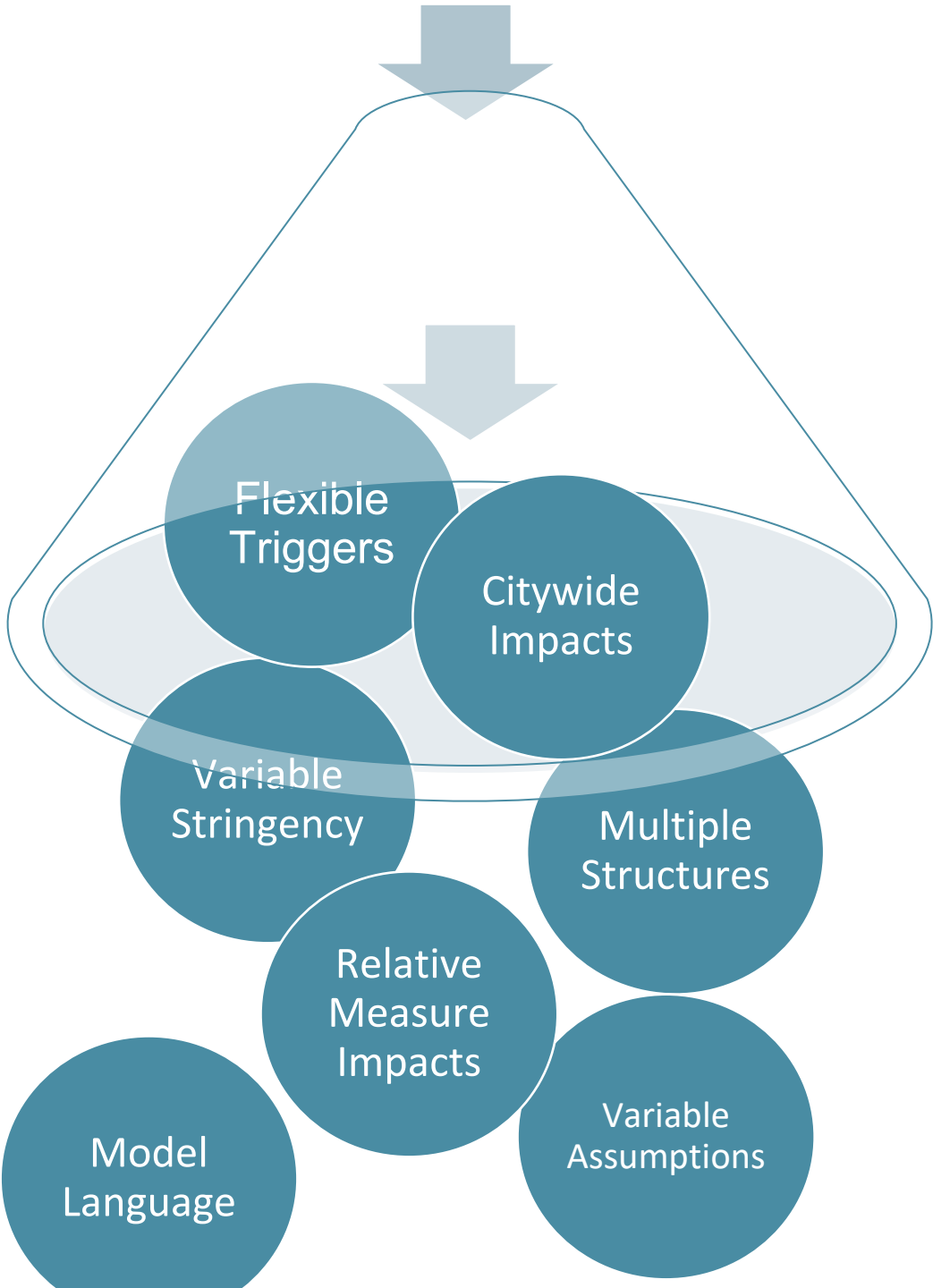
Misti Bruceri
September 1, 2021



2019 Existing Single Family Cost- effectiveness Report



Leveraging the Analysis Results to Build Support



Cost-effectiveness Explorer Results

Results for City of Vacaville






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Climate Zone: 12 Filter by: Source Study Building Type Vintage Package/Measure Type Cost-Effectiveness

Existing Low-Rise Residential Buildings (2021) (June 11, 2021) Newer Version Released | Single Family Homes ⓘ 28,635 Total Units

Built before 1978  33.9% 9,712 Units

Measures Combined **None** Add/Hide Columns

Measures	Cost-Effectiveness		Per Home Results		City-wide Estimates	Assumptions
	On-Bill Benefit/Cost Ratio ≥ 1.0 is cost effective	Simple Payback (Years)	Incremental Cost	Annual Bill Savings (on-bill)	Affected Units (lifecycle)	Emissions Savings (lifecycle MTCO _{2e})
Duct Sealing	10.1 	2.13	\$683	\$321	728 	3,296
LED lamp vs CFL	4.48 	9.35	\$23.96	\$2.56	728	6.58
Cool Roof	3.93 	4.08	\$577	\$142	728	16.9
R-49 Attic + Duct Sealing	3.71 	5.78	\$4,015	\$694	728	6,728
New Ducts	3.03 	7.09	\$3,986	\$562	728	5,678
PV	2.99 	6.16	\$6,628	\$1,077	728	3,528