Data Template Instructions	On the "New_Resources" tab, please report each new resource (chosen from among RESOLVE candidate resource types or indicate Other_New) that the LSE plans to invest in through the IRP planning horizon. These are analogous to “candidate” resources as defined in the RESOLVE model, and incremental to any resource that was reported in the Baseline Resource Data Template, i.e. "new steel in the ground." For situations where the LSE is reporting a future contract with unknown existing resource(s) (e.g. a new RA contract with an existing unit that comes off its existing contract in a future year), do NOT report it in this workbook, rather, report it in the Baseline Resource Data Template. On the "New_Resources" tab, also report the total fixed cost of each new resource. Column heading definitions are below. On the "New_Costs" tab, please report cost projections if applicable to the reporting entity. These are costs associated with the resources in the "New_Resources" tab and incremental to any costs reported in the Baseline Resource Data Template. Report all costs in 2016 dollars, using the IEPR dollar deflator series posted to the IRP Filing Materials and Templates webpage. Explain the composition of each cost category in the text body of the Standard LSE Plan Template. Incremental revenue requirement should be the sum of the other components in this worksheet. If including new load or load modifying resource information as part of a portfolio reported in the Standard LSE Plan Template, then follow the instructions on the "Instructions_IEPR_Forms" tab of this workbook to report that data. Many cells include data validation that requires the LSE to populate cells with only the allowed values shown in the cell's drop down menu. Data entry may be done manually, with copy/paste, or with a script - but only allowed values for that cell must be entered - this is critical to ensuring clean and reconciliable data. Cells must contain only text or numerical data. Do not use the "Insert Comment" feature of Excel to comment on specific cells. Instead please comment on specific cells in the text body of the Standard LSE Plan Template.
New_Resources Column Heading	**Instruction and Description**
LSE_Name	Select from the drop-down menu the Load Serving Entity (LSE) name. This column must not be blank.
New_Resource_Type	Select a RESOLVE candidate resource type from the dropdown. Select "Other_New" if LSE's selected resource does not match any of the RESOLVE candidate resource types. This column must not be blank.
Other_New_Description	Default: leave blank. If LSE selects "Other_New" under column New_Resource_Type, then fill in this cell with a description of the resource technology and operational attributes.
Location	Select from the drop down menu the resource location. If the location is inside the CAISO balancing area, then select the local capacity area or select "CAISO_System" if not within any local capacity area. If the location is outside the CAISO balancing area, then select the appropriate non-CAISO location. This column must not be blank.
Year_Begin	Expected online year in yyyy format. This column must not be blank.
Year_End	Expected end of long-term contract or retirement year in yyyy format. Enter 2050 if no end date. This column must not be blank.
Nameplate_MW	Enter the resource's nameplate capacity value (MW). The nameplate capacity is the maximum rated AC output of the unit. This column must not be blank.
AnnualEnergy_GWh	Enter the resource's expected annual energy production (GWh). This column must not be blank.
Tech_Sub_Type	If applicable to the type of technology, select the sub-type from the dropdown (e.g. fixed vs. tracking solar). Otherwise leave blank.
SolarPV_InverterLoading	If resource is solar PV, enter the ratio of installed DC panel capacity to installed AC inverter capacity (unitless number between 2 and 1). Otherwise leave blank.
Storage_Depth_MWh	If resource is energy storage, enter the discharge capacity in MWh at max output. Otherwise leave blank.
Storage_Efficiency	If resource is energy storage, enter the round-trip efficiency (unitless number between 0 and 1). Otherwise leave blank.
FCDS	1 = This resource is fully deliverable; 0 = This resource is energy-only. This column must not be blank.
New_Rsrc_Total_Fixed_Costs	In 2016 $, enter the total fixed cost of this new resource. This column must not be blank.
New_Tx_Name	If new transmission is required for this new resource, enter the new transmission project name/identifier. Otherwise leave blank.
New_Tx_LSE_Share_MW	If new transmission is required for this new resource, enter the LSE's share in MW of the total new transmission line capacity. Otherwise leave blank.
New_Tx_Total_MW	If new transmission is required for this new resource, enter the total new transmission line capacity in MW. Otherwise leave blank.
New_Tx_LSE_Share_Fixed_Costs	If new transmission is required for this new resource, enter in 2016 $ the LSE's share of the total fixed cost of the new transmission triggered by this new resource. Otherwise leave blank.
New_Tx_Total_Fixed_Costs	If new transmission is required for this new resource, enter in 2016 $ the total fixed cost of the new transmission triggered by this new resource. Otherwise leave blank.

If LSEs use different load and load modifier assumptions as part of any Alternate portfolios, the LSE should report that information using the standard IEPR filing form templates associated with that information, included as additional tabs within this workbook, one tab per IEPR Form. The LSE should clearly identify the data that differs from the forms it submitted to the CEC in 2017 as part of the 2017 IEPR process. The table below indicates which standard IEPR filing forms apply to which entity. IEPR Forms may be downloaded here:

CEC IEPR Forms http://docketpublic.energy.ca.gov/PublicDocuments/17-IEPR-03/TN215680-1_20170131T142702_FINAL_2017_Electricity_Demand_Forecast_Forms.xlsx

CEC Instructions http://docketpublic.energy.ca.gov/PublicDocuments/17-IEPR-03/TN215675_20170131T111216_FINAL_Forms_and_Instructions_for_Submitting_Electricity_Demand.pd

		IOU	CCA	ESP
Form 1.1a	RETAIL SALES OF ELECTRICITY BY CLASS OR SECTOR (GWh) Bundled & Direct Access	X		
Form 1.1b	RETAIL SALES OF ELECTRICITY BY CLASS OR SECTOR (GWh) Bundled Customers	X		
Form 1.2	DISTRIBUTION AREA NET ELECTRICITY FOR GENERATION LOAD (GWh)	X		
Form 1.3	LSE COINCIDENT PEAK DEMAND BY SECTOR (Bundled Customers)	X		
Form 1.4	DISTRIBUTION AREA COINCIDENT PEAK DEMAND	X		
Form 3.2	ENERGY EFFICIENCY - CUMULATIVE INCREMENTAL IMPACTS	X		
Form 3.3	DISTRIBUTED GENERATION - CUMULATIVE INCREMENTAL IMPACTS	X		
Form 3.4	DEMAND RESPONSE - CUMULATIVE INCREMENTAL IMPACTS	X		
Form 4	REPORT ON FORECAST METHODS AND MODELS	X	X	
Form 6	UNCOMMITTED DEMAND-SIDE PROGRAM METHODOLOGY	X		
Form 7.1	ESP DEMAND FORECAST			X
Form 7.2	CCA DEMAND FORECAST		X	

LSE_Name	New_Resource_Type	Other_New_Description	Location	Year_Begin	Year_End	Nameplate_MW	AnnualEnergy_GWh	Tech_Sub_Type	SolarPV_InverterLoading	Storage_Depth_MWh	Storage_Efficiency	FCDS	New_Rsrc_Total_Fixed_Costs
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2019	2050	6.8	21	Solar_Track1axis	1.25			1	945,232
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2020	2050	6.8	21	Solar_Track1axis	1.25			1	938,798
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2021	2050	6.8	21	Solar_Track1axis	1.25			1	933,543
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2022	2050	6.8	21	Solar_Track1axis	1.25			1	928,794
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2023	2050	1.8	5	Solar_Track1axis	1.25			1	252,682
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2024	2050	1.8	5	Solar_Track1axis	1.25			1	271,699
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2025	2050	1.9	6	Solar_Track1axis	1.25			1	342,591
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2026	2050	1.9	6	Solar_Track1axis	1.25			1	349,027
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2027	2050	1.3	4	Solar_Track1axis	1.25			1	225,960
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2028	2050	1.3	4	Solar_Track1axis	1.25			1	223,815
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2029	2050	1.3	4	Solar_Track1axis	1.25			1	221,818
Desert Community Energy	Riverside_East_Palm_Springs_Solar		CAISO_System	2030	2050	1.3	4	Solar_Track1axis	1.25			1	219,953
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2019	2050	6.9	55					1	5,519,763
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2020	2050	6.3	51					1	5,031,952
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2021	2050	0.1	1					1	112,642
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2022	2050	0.3	3					1	252,774
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2023	2050	2.8	23					1	2,241,563
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2024	2050	2.4	20					1	1,962,784
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2025	2050	2.5	20					1	2,029,833
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2026	2050	2.5	21					1	2,045,615
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2027	2050	3.2	26					1	2,599,226
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2028	2050	5.2	42					1	4,173,923
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2029	2050	5.5	45					1	4,453,151
Desert Community Energy	Greater_Imperial_Geothermal		CAISO_System	2030	2050	6.0	48					1	4,796,783
Desert Community Energy	CAISO_New_Li_Battery		CAISO_System	2022	2050	3.45	(1,232)			14	0.85	1	123,011
Desert Community Energy	CAISO_New_Li_Battery		CAISO_System	2030	2050	12.5	(5,088)			50	0.85	1	343,007

New_Tx_Name	New_Tx_LSE_Share_MW	New_Tx_Total_MW	New_Tx_LSE_Share_Fixed_Costs	New_Tx_Total_Fixed_Costs

Cost Category	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Incremental Distribution													
Incremental Transmission													
Incremental Generation													
Incremental Demand Side Programs													
Incremental Other													
Incremental Revenue Requirement													

LSE_Type	LSE_Name_Long	LSE_Name_Short	New_Resource_Type	Location	Year_Begin	Year_End	Tech_Sub_Type	SolarPV_InverterLoading	Storage_Efficiency	FCDS	
ESP	3 Phases Renewables Inc	3PhasesRenewable	CAISO_New_Advanced_CCGT	BigCreekVentura	yyyy	yyyy	Solar_FixedTilt	1 <= R <= 2	0 <= E <= 1	0 or 1	
ESP	Agera Energy LLC	AgeraEnergy	CAISO_New_Aero_CT	GreaterBayArea	2018	2018	Solar_Track1axis		1	0	0
ESP	American Powernet Management	AmericanPowerNetM	CAISO_New_Conventional_DR	LABasin	2050	2050	Solar_Track2axis		2	1	1
Co-op	Anza Electric Cooperative	AnzaElecCoop	CAISO_New_Flexible_Load_Shift	Other_PGE			Solar_Thermal				
CCA	Apple Valley Choice Energy	AppleVlyChoiceEn	CAISO_New_Flow_Battery	SanDiegoImperialValley							
Utility	Bear Valley Electric Service	BearValley	CAISO_New_Li_Battery	CAISO_System							
ESP	Calpine Energy Solutions LLC	CalpineEnergySoln	CAISO_New_Pumped_Storage	Non_CAISO_In_State							
ESP	Calpine Poweramerica-CA LLC	CalpinePowerAmCA	CAISO_New_Reciprocating_Engine	Out_Of_State							
CCA	Clean Power San Francisco	CleanPowerSF	CAISO_New_Small_Hydro								
ESP	Commercial Energy of California	CommercialEnergyCA	Northern_California_Solar								
ESP	Constellation New Energy Inc	ConstellationNewEn	Solano_Solar								
CCA	Desert Community Energy	DesertCommunityEn	Central_Valley_North_Los_Banos_Solar								
ESP	Direct Energy Business	DirectEnergyBusiness	Westlands_Solar								
CCA	East Bay Community Energy	EastBayCommunityEn	Greater_Carrizo_Solar								
ESP	EDF Industrial Power Services CA LLC	EDFIndustrialPowerSrv	Tehachapi_Solar								
ESP	Just Energy Solutions Inc	JustEnergySolutions	Kramer_Inyokern_Solar								
CCA	King City CCA	KingCityCCA	Mountain_Pass_El_Dorado_Solar								
CCA	Lancaster Choice Energy	LancasterChoiceEn	Southern_California_Desert_Solar								
Utility	Liberty Utilities	LibertyUtilities	Riverside_East_Palm_Springs_Solar								
CCA	Los Angeles Community Choice	LosAngelCommChoice	Greater_Imperial_Solar								
CCA	Marin Clean Energy	MarinCleanEnergy	Distributed_Solar								
CCA	Monterey Bay Community Power	MontereyBayCommPwr	Baja_California_Solar								
Utility	Pacific Gas and Electric	PacificGasAndElectric	Utah_Solar								
Utility	PacifiCorp	PacifiCorp	Southern_Nevada_Solar								
CCA	Peninsula Clean Energy	PeninsulaCleanEnAuth	Arizona_Solar								
CCA	Pico Rivera Innovative Municipal Energy	PicoRiveraInnovMuniEn	New_Mexico_Solar								
ESP	Pilot Power Group Inc	PilotPowerGroup	Northern_California_Wind								
CCA	Pioneer Community Energy	PioneerCommunityEn	Solano_Wind								
Co-op	Plumas Sierra Rural Elec Coop	PlumasSierraCoop	Central_Valley_North_Los_Banos_Wind								
CCA	Rancho Mirage Energy Authority	RanchoMirageEnAuth	Greater_Carrizo_Wind								
CCA	Redwood Coast Energy	RedwoodCoastEnergy	Tehachapi_Wind								
Utility	San Diego Gas and Electric	SanDiegoGasAndElectric	Kramer_Inyokern_Wind								
CCA	San Jacinto Power	SanJacintoPower	Southern_California_Desert_Wind								
CCA	San Jose City	SanJoseCity	Riverside_East_Palm_Springs_Wind								
ESP	Shell Energy North America	ShellEnergyNorthAm	Greater_Imperial_Wind								
CCA	Silicon Valley Clean Energy	SiliconVlyCleanEnAuth	Distributed_Wind								
CCA	Solana Energy Alliance	SolanaEnergyAlliance	Baja_California_Wind								
CCA	Sonoma Clean Power	SonomaCleanPower	Pacific_Northwest_Wind								
Utility	Southern California Edison	SouthernCalEdison	NW_Ext_Tx_WIND								
Co-op	Surprise Valley Electric Corp	SurpriseValleyElectric	Idaho_Wind								
ESP	The Regents of the University of California	TheRegentsUnivCA	Utah_Wind								
ESP	Tiger Natural Gas Inc	TigerNaturalGas	Wyoming_Wind								
CCA	Valley Clean Energy Alliance	ValleyCleanEnAlliance	Southern_Nevada_Wind								
Co-op	Valley Electric Association	ValleyElectricAssoc	Arizona_Wind								
			New_Mexico_Wind								
			SW_Ext_Tx_Wind								
			InState_Biomass								
			Greater_Imperial_Geothermal								
			Northern_California_Geothermal								
			Pacific_Northwest_Geothermal								
			Southern_Nevada_Geothermal								
			Other_New								