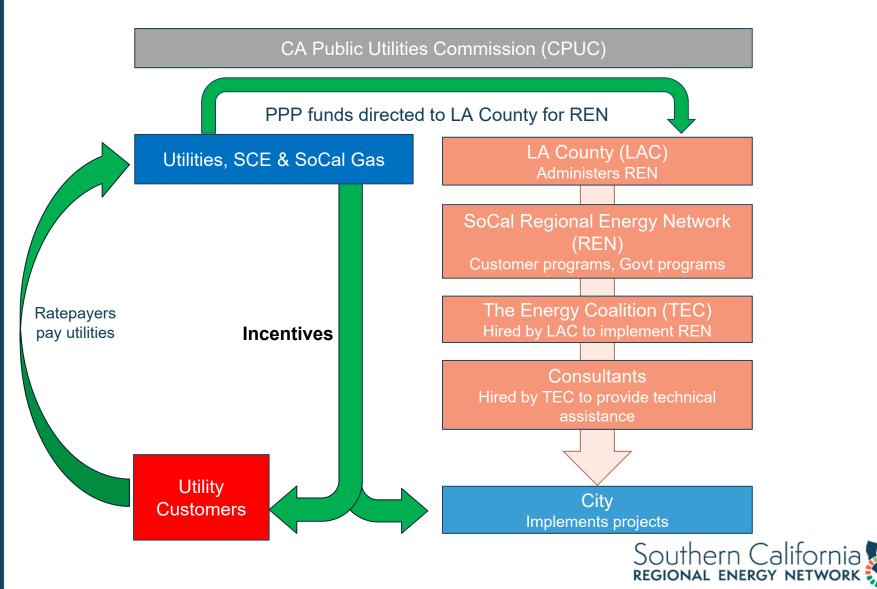
EE Incentive Process: Roles, Process, and Sample Project



Jonathan Rossi, PE
Program Manager,
C&I Programs
TRC Solutions



Energy Efficiency Program Flow



Influence and Influence Job Aid

- O''ân,½''ıu'âslâ! 'jâNaî â'Ý'‰â; sužŒ 'ı÷â`ı; ã™ °°âusı÷îž'âsâl'ã½'; ^÷'; â½'Èß; ů^°°Žâsıâ`ıâ`NâL''; '; âl^ÑNí
- O''aùè'÷'È^Blâ-''aßlâ! '¡ấÈ'ấâuß "'u÷ßlâS,âuߌŒÑÑßlâÑ÷^,â;ßužŒ''l±Ñấl;ÂM*-aì÷'È,^å;ßužŒ''l±Ñâ''^÷â;ÑužÑấl,²½''lu'ấl;ÒßÈÁÈ'½ßl;'EÈlu'âS,â'Ý;''lu'ấNã;'',''';âlŽâ-''âl''È¿Žâ, ÝÑßlấl;â'';â-''ÀM÷^÷'™';'â
 WßÈÆ'ì&&ÈS޽ |Âl;â'^Ý'âl''lâ'½½BSÝ';â-'ÈSŽ&''ââuß "'lßÈ^÷ßlâl'÷™'''lÂM*-ÅMâJŽl°uÂM'u±ßÈÁU^ȱ'EÑ'½ÑÉ|â
 O'È;âJ^È÷Žâl;â*^už~÷';ãu*žÑ±ßŒü';ãl;â)LBÒL*³É¿ÈS&ÈŒÑÍ
- O''Ñ'âưS^{a^}lßÈ`÷Ý'åàÈSž½ÑÈ'¦žÈ';â÷'^÷ÂÑÑ'È÷ßıÑB,½ÈS&È`Œâı,Ž'ıu'āl'āl^uÆ';㽽Ù°÷'ÂÑŽ½½ßÈ÷¹&â;ßužŒ'ı÷^÷ßıâ÷'^÷åi²'^ÈŽâ;'ŒßıÑÈ`÷'ÑÀ''äE'½®Œ'i÷'ÈÃÂÎ;aÎı;ã±'¾ÄÄÈSª'ÑÃlâÏı,Ž'ıu¹‰âižÑ÷ߌ'Èâ;'uÑßıÑÃl;ãÛ;÷ßıÑãJÈS‰ÈŒâı,Ž'ıu'âE žÑ÷â;'ŒßıÑ÷Ê÷'à÷'-à÷''à'';ȾŽÂ;,,ů°'!uŽÂ½ÈS‰ÈŒâı-'ÈÑ';âÎal'÷âl'ı', ÷âï,ßÈà''àÈ÷';½°Ž'ÈÑÉÂLŽãE ß÷ݰ÷¹‰à''aùŽÑ÷ߌ'EßaßaŒ'½°'Œ''ı÷â`lÑ':1÷â*''½ÈS‰ÈŒâ1+'ÈÝ'1÷ßıí
- O''Ñ'â-'È''â|Ž^ª',°'ÈÑÃÑ 'ߎª;âL'Œ''Žâ;ÈÝ'ÈÑÃB,â'Ý'ÈŽÃ\$ÈB-'u:{ ÖĹ 7;'1÷°,ů^÷ß1{O''Â\$E\$ECEÂÑNNNNA-''âuŽÑ-BCE'EÃÎã;'1÷°,ް1‰â'1'ȉŽâ',,ů°'1uŽãS½½ßÈ÷Ž1°÷°'Ñ
- Ûí <u>O'u'ıů^ã! ÑÑÑ÷^1u'</u>{O''<u>%</u>È%È^Œ ¾ÈSݰ; 'Ñâ'u'ıů^°Ê''ÑSŽÈu'ÑâKâ,^u°°÷^÷'â-''¾ÈS-'u÷â''½Œ''ı÷â-''îÝ'1±SEŽ [â' | ޼Œ '1÷â-'Ñ÷¹% [â' ^÷^âß‱°% ak [a' +ué
- ²í <u>4 î ^ î u ^ ê! NN N÷ ^ î u '</u> { W ' ' ı â+ ' l â Ý ^ ° ^ l ° ÷Ž âS , â î u ' ı ÷ Ý ' l NŽ ½ ½ B. È : ' â u ž N ±SŒ ' E È ' L ' u ÷ Ž âL ' u SŒ ' Nê+ ' l â ' † ' u † î & â , u ± B E Î : ' l N ' a u + ' B I B , â aŒ SE' ê' , , u ° ' ı ± â ° ÷ ' E Î ^ ÷ Ý ' l N B Ž ÷ B I ê B E I ' Nê+ ' ^ ± M S Ž ° ¡ â S÷ ' ' E M N ' âL ' l N ' a u + ' ;
- O'Ñâ;ßužŒ'ı÷ã™^Ñâ;'Ý'殆½';â;ß{
- 7E ½ÈSÝ'急''╡˙ž^ª÷ŽãS,ã1,窄''ıu'ấ`1;â'ݰ;''ıu'å½ÈSݰ;';â'1å½ÈS-'u÷âL^ÈÈ^÷Ý'Ñãú'å‰ãŪÈS-'u÷âL'Ñ'l°ª÷Žâ M÷ž;°'Ñếí
- OŚŚĆ '¾ÁŁĎŚĆ°; 'ÆŁŽ°; 'ஃ¹'ÑÁŚjĆ '^÷ĴÑÁĴjĆ uu'½÷Ĵlª'Ĉ'Ý'ÆŚ,Ĝī,Ž'ju'ĈŢĆ; 'ju'Ĉī'; 'jåßÂÑŽ½½ŚÈ÷ÁÈĎ-'u÷ÑÁ l^Ň'; ÁSjÁŁĎS-'u÷Őju'i÷Ý'ÁÝ^Ž'Ñí
 - o *ß%°'ÑÃB,âuߌŒžıů^÷ßıÑÃ`ı;ÃÑž½½ßÈ÷ů&â;ßužŒ'ı÷ѱSÃ`ı;â,Èߌâ'ı;"žÑ'âužÑ±ßŒ'ÈÑñ'^÷â;ßužŒ'ı÷â ™ ''ıâ`ı;â`ß™Â÷''âužÑ±ßŒ'ÈÑÆG';'â÷''Èâ;'uÑßıÑÃ`È'ÆE'Ž



Successful Influence Includes

O''â'ݰ;''ıu'âl''î&ÃĬž½%°';ÂÑ'ßž³;Âuߌ'ÂXÈŒ^ȰŽâÈߌâ÷''â'ı;"žÑ'âužÑ±ßŒ''ÈÁY^â;ßužŒ''ı÷';â uߌŒžıů^÷ßıÑÆ" ÷'ÂÑuÈ'''ıÃN'ß÷ÑÆ;Â'Œ^°ÑÆE''+°ì‰Œ°1ž÷'ÑÄ`ž;°÷Æ'½ßÈÑÆ;ů÷žÈ'ÑÄ'±uÆO'''âužÑ±ßŒ'ÈÂ Ñ'ßž³;â;'ÑuÈใ'{

- B,â-''ð->âKRENAS,âù-È-''È-^âú-1â-'''ASlâ^';é|â-'KN''â-'-^-&N-3S-Èà;'NuÈl'&Ež-½"'âKRENAS,Â'ݰ;'ıu'&S,â-°1,°ž'ıu'|ÂLS--â^=^âÈ'\Ê'|'ZÈ';í
- ÿær'ŽâßÈŒÑæß,â'ݰ;'ıu'æß,a°ı,°ž'ıu'æßǽ޽½ßÈæìÝ'ÈŽǽÈB—'u÷
 - 0 6 ß™ â''aî'°+°°° aûߌŒ žiů^+ßia™°+'â'''aŒ ⅓ª'Œ'i+'Èa™^Ñaî°+°^+';
 - O W '^-â'' 'Â' ŽÑ-SŒ 'ÈA'' ^Ñ&S 'l&ASÂ; SÂ\È'BÈASÂL' 'l&A', 'Z'' LU'; ÂLŽÂ-' 'Â'Œ ½"'Œ '1÷'È
 - O W '^÷:''a' žÑ:SŒ 'Ȫ ^ÑŒ ßÝ';â:Sâ;ßâ^,÷'Èà!'î&åî,₹'ıu';â!Žâ-'''aŒ ½ª'Œ 'ı÷'È
 - O W 'ßâ''a' žÑ:ߌ 'Èà; 'uĥßıæ´ ^Æ'ÈŊ́ǽM 'È' |àˈß™ â-''a; 'uĥßıæ´ ^ñǽ ^; 'â'ı;ǽM''ı
 - O O''âl žÑ¹'ÑĨÊ'¦žÊ'Œ''1÷ÑÊ;'^÷â'^;â:Kâl'â,ž²,°ª';â'1âKÊ;'Èà,KÊà;''â* žÑ÷KŒ'Èà;K⌠KÝ'â,KÈ™^È;ã™°÷'â ÷''Æ''^ÑžÈ'Ò½ÀS—'u÷
 - O O''â, î^ıu^êÈ'|žÈ'Œ'ı÷Ñê'^÷â'^;âઃSâl'â,ž³, °³';âîâSÈ;'Èà,ßÈà'';â*žÑ÷ߌ'Èà:S⌠ßÝ'â,ßÈ™^È;裔 °÷'â÷''áŒ'^ÑžÈ'Ò½ÈS-'u÷
 - 7,ấ âE '^ÑžÈ'ÄMà E ½ª'À½^Žl^uÆÂL'÷žÈ B:1ÂLÝ'ÑÆ ':1÷BÈLB Æ '³u'';Ñ♣';'³½'u÷';ÂQÑ',Ž☜°,'Â Ú-Q>ÉÆ''À ŽÑ÷SE 'ÈÁN'ߎª;Â'³½^°îÆ''ÂÈ'^ÑS:1ÂL''°1;Æ''ÂLŽÑ°1'ÑÑÄ; 'uÑß:1ÆßÅE½ª'Œ':1÷Æ''Â Œ'^ÑZÈ'ŰNÉ
 - o 7,ấ âE '^NžÈ'AMÃN thư ½" â½^Žl ^uÆâLB 76âNãŁÛâŽ'^ÈN þâ, l ^lu ^ ãN^Ý l‱MÃN 'ßž t âLß+âL'ãžÑ'; ấ Nã+' 'å½Èt ^ÈŽâ' 'l, Ž'lu'â;ÈÝ'È



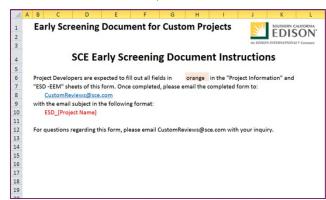
Early Screening Document

M* - âl '%^13½ÈSݰ; 1%â'^ÈŽÃÑUÈ''1 1%ÃÑ'ÈÝ û'ÑÊ#SÃÎÑÑÑ÷½ÈS-'U÷â; 'Ý' 'ß½'ÈÑÆ\$1ÂÎ **Â*^ ÛŽ *^÷';Ãが ŽÑ#SŒ |ÂL*³Ò) LB |Ð^È÷1'ÈÑ'½|Ð'È;ÂJ^È÷ŽÃÐÀÈS-'U÷ÃĬŽIŒ ÑÑ 'B1ÑÍ

- -,,'u÷Ý'â!½È°ĐÛÞÛ±ÖiÞĨ1â-^ÈŽÆMuÈ''ıº‰â, ßužŒ 'ı÷ãú-M, ŒĨ½½ÈŚÝ^Ē'Œ ^°Ā,ÈߌÆM*-âÑÆÈ'¦žÈ';â "ßÈã~ã*^už~÷';â½ÈS—'u÷ÃŇŽlŒ ÑÑßıÑí
- O''ÂM, Â, ßuŽŒ''1÷Â'1;ÂM, ÂßlÂL ";ÂÈ'½ßÑ÷';ÂSlÂ-''ÂÇ<u>* ŽÑ±SŒ Ü';</u> <u>AL'÷ÈSuߌŒ ÑÑßlºL&</u>^1;Â 4ßÈE ÑĨÂ-^1ÑASlÂ-''ÂB1ªº''Â!½½°ů^÷BlÆDßß°I
- !ıâ-M, âÈ^î';'ßâÑâ^ÑSâ^Ý^°^l"'âßâ^ÑÑÑ;âužÑ;ߌ'ÈÑâ^ı;ðòÈ^;'āJÈS,'ÑÑßı^Ñ㺰;'â Ñžuu'ÑÑ,ž®ÑžlŒ ÑÑßìÑí

O''â-^ÈŽÂMuÈ''ı î‰â, ßužŒ 'ı÷ã™ ^Ñâ; 'Ý'Ɓ½';â±ß{

- 7E ½ÈSÝ'âužÑ÷SE 'ÈÀÑ^÷Ñ,^u÷ßlâîl; &E °÷%^÷'â÷''àÈÑÆAS,ÂÑ'÷:1%&ZlÈ'^ªÑ÷uâužÑ÷SE 'ÈÀ'³½'u÷^÷ßlÑí
- -Ñ÷¹¹Ñʿâ̂ãzı°,ßÈŒ â̂ı¡ã™'™"žı¡'ÈÑ÷ßß¡â̂½½ÈS^u'â,ßÈã°;'ı÷°,Ž˚¹‰ã½ÈS-'u÷⦠ž^³÷ŽâÑÑž'Ñãž½,ÈSı÷í
- L'; žu'außıÑÑ÷'ı÷a; ž^²÷Žãî; ãzı^uu'½÷^lª'a
 ª'Ý'Ů÷޽'aB,â,î; ¹‰Ñãˆ÷â''â ³â!ı÷'âL'ݰ'™ãÑ÷^%'í
- L'Ý"™ấ¹¡ãÈ'uߌŒ'¹¡ãŒ'¹ÑžÈ'â"Ý'ẩ¹,⁵ž'¹u'â
 È'¦žÈ'Œ'¹÷Ñí





- Customer Engagement/Audit: Maintain written email records of meetings and audit findings. This will become the backbone for influence.
- A benchmarking effort reveals that a public pool facility has a high energy intensity for gas and electricity.



<u>Identification!</u> Financial Assistance!





 Customer Acceptance/PFS Development: Based on the audit findings, the Customer requests that the project proceed and would like to see what incentives can be secured!

PFS Development:

- In-depth calculations (M&V)
- Package influence documentation
- Economic analysis

Technical Assistance!

	Existing Pump	Proposed VFD Upgrade			
BHP (from nameplate)	4.00	4.00			
Motor Efficiency	0.85	0.85			
Maximum Flow (GPM)	208	188			
Minimum Reduced Flow (GPM)	208	135			
Head (ft)	60.00	60.00			
Specific gravity	1.00	1.00			
Pump Efficiency	65%	65%			
Calculated BHP	4.86	4.38			Minimum R
VFD Efficciency	N/A	98%			Flow O
Affinity Law Exponent	N/A	2.2			
Full Flow (kW)	4.3	3.9			
Minimum Flow (kW)	4.3	1.7			
Hours Full Flow	24.00	3.0			
Hours Reduced Flow	0.00	21.0			
Energy full flow (kWh/day)	102.24	11.8			
Energy Reduced Flow (kWh/day)	0.00	36.3			
Energy per Day (kWh/day)	102.24	48.1			
Days/Year	365	365			
Total Energy Consumption (kWh/Year)	37,318	17,557			
DEER Peak Demand Savings (kW)	0.34			Open Hours	
Energy Savings - kWh	19,761		Monday	11.5	
			Tue-Fri	46.0	
			Sat	11.5	
			Sun	11.5	
		Total Week	s Per Year	14	
		Total Hours Per Year		1,127	
	Average Hours Per Day on Annual Basis		3.0		
Operation Notes:					1
Pool is only open between Memorial Day of	ind Labor Day weeker	ids, a total of (14) weeks.			



- Early Screening Document: Projects need to have ESD approval before the application and supporting documentation can be submitted!
- Submit Incentive Application: After receiving ESD approval, move forward with submitting full package through online application tool.





 Technical Review and Approval: Respond to any 3rd Party Technical Reviewer questions. Review may include an inspection.

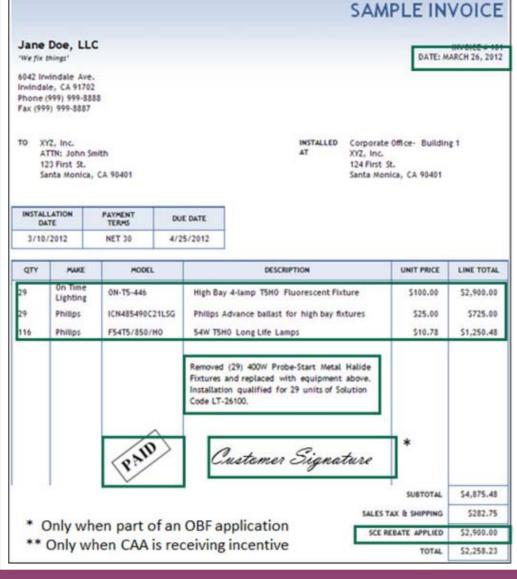
The goal of technical review is to confirm the savings claim. Questions are normal, all custom projects are different.



 Project Approval Letter: Once project approval letter is received, project can proceed to scope of work development and city procurement, as needed.







 Procurement and Construction: Once project is installed and successfully commissioned, the contractor (or whoever completes the work) must provide a detailed invoice.



Installation Report (IR) and Installation **Tech Review:** Package the installation files, with a focus on invoice, and submit IR package. May also include post-case M&V. Finally, the project goes through installation tech review.





 Incentive and/or Finance Check: Incentives and any finance checks are sent to the customer/trade-pro based on the final confirmed project savings.





Supporting Documents for Custom Projects

The criteria on this matrix are a collection of commission staff documents and internal documents that discuss influence and/or preponderance of evidence as defined by the energy division and the statewide working group, and have been approved through a collaboration between SCE's Public Sector (Partnerships), Third Party and Calculated (Customized and RCx)

programs. This job aid is not a guarantee of project acceptance or incentive approval.

To centralize influence related criteria that do not utilize Yes/No questions or communications.
 There are five qualifiers that define the 14 eligible influence criteria (criteria that are supported

by qualifiers A, B and C should be key drivers of every project):

inventory, equipment testing, data logging, etc.)

D. <u>Equipment Operation</u>: How the equipment currently operates
E. <u>Market and Code</u>: How ISP and Codes apply to the project

projects based on project incentive values.

Improve the quality of influence and evidence provided in project narratives (e.g., Project Feasibility Studies)
 To help provide internal guidelines on what is an acceptable level of influence evidence needed to support

B. Technical Assistance: The program provides technical resources to facilitate the project (e.g. equipment

C. <u>Financial Assistance</u>: When the availability of incentive support to the customer directly becomes the deciding factor in the selection of a more efficient alternative solution to the one or ones that would otherwise be selected (should not be primary driver on projects with simple payback \$2\$ years)

Copies of communications and supporting documents to and from end-use customers that document

EDISON'

If you are a new user at this site, please

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- M÷^÷'™ °;'æ*žÑ±SŒ ü';æ*^už*^÷';æM^ݹ‰Ñâ
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- M÷^1; ^È; Ñâ,ßÈ& žÑ÷ߌ âJÈS-'u÷â, 'Ý' %½Œ '1÷
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- -^ÈŽÂL'÷È'Œ'1÷â5ž°;^1u'â, ßužŒ'1÷
- *^už~^÷';âJÈS-'u÷â^ÈŽâL'÷È'Œ'ı÷â*ßıѰ;'È^÷ßıâ *''ıưÑ÷
- -^ÈŽÂMuÈ''ı î‰â, ßužŒ 'ı÷
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GH ACOSE" READER"

Key Resources

O''**å**M*-åBıª¹'a''½½°u^÷ßıâDßßä<u>ã™™™Ñu'ßıª¹'^½½íುßE</u>齒Ñāuß+åBıºŽâ+''à'ßÑ+åѰ÷'â,ßÈðÑžlŒ°÷÷º‱â*^'užª^÷';ấ`ı;âJ^È÷ı'ÈÑ''½â'ı''ȉŽâ',,,°u°'ıuŽã°ıu'ı÷Ý'å½ÈS—'u÷ã`½½°°u^÷ßıÑ|ä°÷â'ßžÑ'Ñã`âužŒl'È級,â
Ý^*Ž^lª'È'ÑßžÈù'Ñí

- O''â^1; 1‰3½^%'âÑã÷÷¹';âÇW '^÷ÃÑãæ''™ ñã^1;âÑãž½;^÷';âÈ'%ž ~̂ÈŽí
- O'ÑâюߎĒB1'"Ñ⅓нÃÑ'ß½ÂßÈÀ"‰Ñ¯÷Ý'ÞÆÈS‰È^Œ Â1;Æ '^ÑžÈ'ƽ;^÷'ÑÞå1uŽ; ¹‰<u>Â⁄ß³uŽ</u>Â Œ^1ž^Ñâ1;‰ž°;'³¹'Ñí
 - o W 'ÂÈ'ußE Œ '1;ÃŚŚÃÝѰ÷Â' ÑÃѰ÷'Â` Â''^Ñ÷ÂS1u'Â&'ÈĀ'' 'ÆÍ
- 0''âDßßã`Ñßâ'ßžÑ'Ñã-''âEßÑ÷ãZ½âßâ;^÷'â'1,ßÈE^÷ß1â,ßÈ{
 - o M*-ÅÃaßı"È'Ѱ;'ı÷^^â'ı'È&Žâ',,ů°'ıuŽå¿ÈS&È^ŒÑ
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<u>M* - íıße</u> Ñấ ÑSấ ẩÀÈ' ^÷È'ÑSŽÈı'ÂKSấ uu'ÑÑŽŚŚŽÁÑ °÷'Âѽ'u°, u°, uẩi 'SÈE ^÷ßı þÀÈSE Æ °÷'Ñấ i ¡ âl °²° 1‰ÂKSÂ M* - ÅÄBUSE E °÷E 'ı÷ÂKÂû²' ^1Â'ı'ȉŽÍ

7,2ŽſSŽÂ' ^Ý'âLſS÷Â`È'^;ŽÂщ1';ÃZ½ÂſSÈÀZ ŽÂ! UUSŽ1÷ ÞÃZ°'^Ñ'ÂuªUÆÂS1Â÷''°LÆÂÑSÂŽſSŽÂU^1Â'1ÈSªÂ
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