!"#$%&'($!)")*$+#,-*.',)/$
0*1".)2*#)$&3$4#-,.&#2*#)"5$!)67,*'$
489!$::;$!&5".$4#*.</$=#"5/',›$!1.,#<$?@?A

!"#$%&'()*'!")+(,+'-)."$/(+0")'

-)%+$#,+"$1'

2..0,&'3",(+0")1'

4/(051'

2..0,&'6"#$1'

!5(%%'7(8%9:0/&1'

!5(%%$""/1'

;$&$&<#0%0+&%1'

!"#$%&'()*'!")+(,+'-)."$/(+0")'

-)%+$#,+"$1' !"#$!%&'()$*%+,-)./$

2..0,&'3",(+0")1' 0-&1()2'3)$45%-".$6-++7789

4/(051' !%&'()#:%+,-)./;&<&%#.=%$$

2..0,&'6"#$1' 7>?7@ABC:$D%.&=-/&$$

!5(%%'7(8%9:0/&1' D%.&=-/ED1%"&=-/$7@ABF>@G8$C:$

!5(%%$""/1' H+-"I$6-++$$

;$&$&<#0%0+&%1' JKL4$77M$H6J*$BB79$O6P4$BB>9$Q3"$.5%(,-+.)'R#$

=(,#5+8'>&?';(@&'()*'ABCDCE'A&%%(@0)@'

P3%$-".$".&C3)&(S+.$T3"$".2%+-"+/$U1.UI()2$V('1$'1.$:.&&-2()2$&/&'.:$'1"3%21$*/4W4X#$H3%"&.$:-'."(-+&$&%U1$-&$'1.$&/++-S%&N$-&&(2):.)'&N$".-=()2&N$-)=$1-)=3%'&$V(++$S.$T3%)=$3)$U-),-&@$1''C&@EE&<&%#()&'"%U'%".#U3:$$

!"#$%&'7&%,$0F+0")'

D1(&$U3%"&.$V(++$C"3,(=.$&'%=.)'&$V('1$-$U3:C".1.)&(,.$3,.",(.V$3T$&%&'-()-S+.$&3+-"$.)."2/$".&3%"U.&N$.U3)3:(U&N$-)=$C3+(U/#$O-"'$3).$3T$'1.$U3%"&.$V(++$".,(.V$'1.$S-&(U$I)3V+.=2.$-S3%'$&3+-"$.)."2/$C1/&(U&$)..=.=$'3$%)=."&'-)=$13V$&3+-"$.)."2/$'.U1)3+32(.&$V3"I$'1.$S(3C1/&(U-+$-)=$".&3%"U.$+(:('-'(3)&N$-)=$&%&'-()-S+.$=.C+3/:.)'$&'"-'.2(.&$T3"$-$&3+-"$C3V.".=$U(,(+(Y-'(3)#$O-"'$'V3$T3U%&.&$3)$'1.$I./$.U3)3:(U$-)=$C3+(U/$U3)U.C'&$T3"$&3+-"$=.C+3/:.)'#$O-"'$'1"..$+33I&$-'$.U3+32(U-+$-)=$.),("3):.)'-+$<%&'(U.$U3)&(=."-'(3)&$T3"$&%&'-()-S+.$&3+-"$.)."2/$=.C+3/:.)'N$V1(+.$C-"'$G$+33I&$-'$'1.$C3'.)'(-+$3CC3"'%)('(.&$-)=$U1-++.)2.&$T3"$=(&'"(S%'.=$&3+-"$C3V."$2.)."-'(3)#$$

!"#$%&'3&($)0)@'2#+," /&%'G!32H'

XC3)$&%UU.&&T%+$U3:C+.'(3)$3T$'1(&$U3%"&.N$&'%=.)'&$V(++$S.$-S+.$'3@$

7# *!"#$%&'("#)'*$)+,,+%'-".'.$&)("#)/*(00$"1$&)2+%)&-&'(."(30$)&+0(%)$"$%14)#$5$0+,6$"'7)*

># *!"#$%&'("#)'*$),%."/.,0$&)("#)2-"#(6$"'(0&)+2)&+0(%)$"$%14),*4&./&7))*

A# *!"#$%&'("#)("#)(&&$&&)'*$)"('-%(0)%$&+-%/$)0.6.'('.+"&)+2)&+0(%)$"$%14)."/0-#."1)0("#)("#)%(8)6('$%.(0&7))*

G# *9$&/%.3$)3(&./)$/+"+6./)("#),+0./4),%."/.,0$&)'+)&+0(%)$"$%14)#$,0+46$"')&'%('$1.$&7)*

8# *:&&$&&)/-%%$"')&-&'(."(3.0.'4)'%$"#&)."')'*$)&+0(%)$"$%14)."#-&'%4;)$'/7)*

)

! "#$%&'C,L&*#5&'

A "*#5&'

[redacted]

! "#$%& '()*RMSO3*2&+ '*7/&+.#3*8&"/@<":",*7%+,.$

Z$ **PV Economics II**

Manage Podcast [Episode #87] – The Value of Flexible Solar
Confronting the Duck Curve: How to Address Over-Generation of Solar Energy
A Primer on Wind and Solar Value Deflation
California Solar Energy Statistics and Data

*! "#$%& '()*RMSO3*2&+ '*7/&+.#3*8&"/@<":",*7%+,.!*

A"*#5&'	:"F0,%W'I&(*0)@%W'M%%0@) / &)+%W'7&(*50)&%'
	J]C+3".$Q3C'(3)-+R@$X4g4$ O3=U-&'@$43+-"$O3V."$ $ *?$48+%#&@)I("#J$"$%14J$/+0+14)"$C-&;)8.0#0.2$)("#)0("#)-&$).6,(/'&9**
7G$	**3()*'E%&'--1'4)&$@8'%F$(Y5'X'&,"5"@0,(5'0 / F(,+%'".'%"5($'.($ / %'** __.-=@$g"3=&I/$-)=$6."))-)=.Y?_.=%U.=$J4$3T$=.&."'$C+-)'&$T"3:$2"3%)=?:3%)'.=$ &3+-"?K-'%".4%&'-()-S(+('/W%+/>B>B#C=T$ *%+,-)./N$!#$Q>B7ZR#$\=.)'(T/()2$'1.$"33'&$3T$g"..)$H(,(+$0-"$3,."$%'(+('/?&U-+.$&3+-"$.)."2/$C"3<.U'&$3)$C%S+(U$+-)=&$-U"3&&$'1.$9:."(U-)$43%'1V.&'#$K+-%"(0)+2)I("#)!&$) >/.$"/NLMQiRN$GMA?878#$ *?$48+%#&@)&+/.(0)1(,)."))%$"$8(30$)$"$%14;)$"$%14)&.'."1),+0./4) $
$	**3()*'E%&'---1';#?50,'M,,&F+(),&'".'C"5($'=($ / %^',#5+#$(5'X'(@$0,#5+#$(5'$&%"#$,&%'**
$	J+I()=N$J#$$.'$-+#$>B7i#9O-'1$f3"V-"=@$\=.)'(T/()2$c.-&'?H3)T+(U'$43+-"OL
78$	!.,.+3C:.)'$()$H-+(T3")(-k&$