



























The ratio of the lefto increase of PV instal	over bec lation,	ame hig	lher in p	roportio	n to
In PV24MW case, a	lmost all	of PV su	urplus wa	is consum	ned by
pumps.					
Even in the PV34M	W scenar	io, half c	of PV sur	plus was	
consumed by pump	DS.				
	24MW	29MW	34MW	39MW	
PV scenario		1 /0	3.04	4.59	
PV scenario PV surplus [GWh]	0.46	1.49			
PV scenario PV surplus [GWh] Leftover [GWh]	0.46	0.38	1.48	2.79	
PV scenario PV surplus [GWh] Leftover [GWh] Leftover/ surplus	0.46 0.002 0.005	0.38	1.48 0.49	2.79 0.61	







tep 3: Impac	ct of Pu	mp D	R to F	Power	Syster				
 Fuel reduction by DR itself is not large. Curtailment reduction leads to more PV installation. 									
	PV scenario	24MW	29MW	34MW	39MW				
Fuel reduction rate [%]	w/o DR	2.9	4.9	6.6	8.1				
	With DR	3.0	4.9	6.7	8.3				
Curtailment energy	w/o DR	0.01	0.10	0.41	0.96				
[GWh]	With DR	0.00	0.06	0.33	0.82				
Curtailment time [hour]	w/o DR	10	58	143	229				
	With DR	0	33	107	184				
The University of Tokyo, Baba Lab 19									





