

**CHARGE MANAGEMENT COST SAVING ANALYSIS**

Purple 2024 (15 min)				
WK	2739.5	255	698572.5	
SAT	2572.2	53	136326.6	
SUN	2108.7	58	122304.6	
			957203.7	79766.975
18 buses on route		2430	9720	
10 buses recharge		1350	5400	
				4 kWh Per Mile
				<b>319067.9</b>

Red 2024 (10 min)				
WK	4167	255	1062585	
SAT	2746.2	53	145548.6	
SUN	2161.8	58	125384.4	
			1333518	111126.5
23 buses on route		3450	13800	4 kWh Per Mile
15 buses recharge		2250	9000	<b>444506</b>

<b>Combined Red and Purple Line Fleets</b>			
			763573.9
Peak With Load Management @5MW	Energy:		<b>\$ 27,232.86</b>
			763573.9
Unmanaged charging as peak(35)Buses	Energy:		<b>\$ 27,232.86</b>

CMS Cost
Yearly Saving

Yearly Fees
<b>ROI</b>



**AT INDYGO WEST CAMPUS-ROI Estimated**

Purple 15 min	135 miles per trip		kWh Charge Rate	200		
Red 10 min	150 Miles per trip		Demand Charge	22.88	July 1st 2022	
			Electricity Rate	0.035665	July 1st 2022	

KWH

KWH **3000** KW

				Buses	<b>35</b>
KWH		5000 KW			
Demand:	\$	114,400.00	Total:	\$	<b>141,632.86</b>
KWH		7000 KW			
Demand:	\$	160,160.00	Total:	\$	<b>187,392.86</b>
<b>Monthly Saving</b>			\$	<b>45,760.00</b>	CMS SYST
				<b>-24%</b>	CAP-Load

\$979,152.50  
\$ 549,120.00

\$93,062
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2.15
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2 Years, 2 Months
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