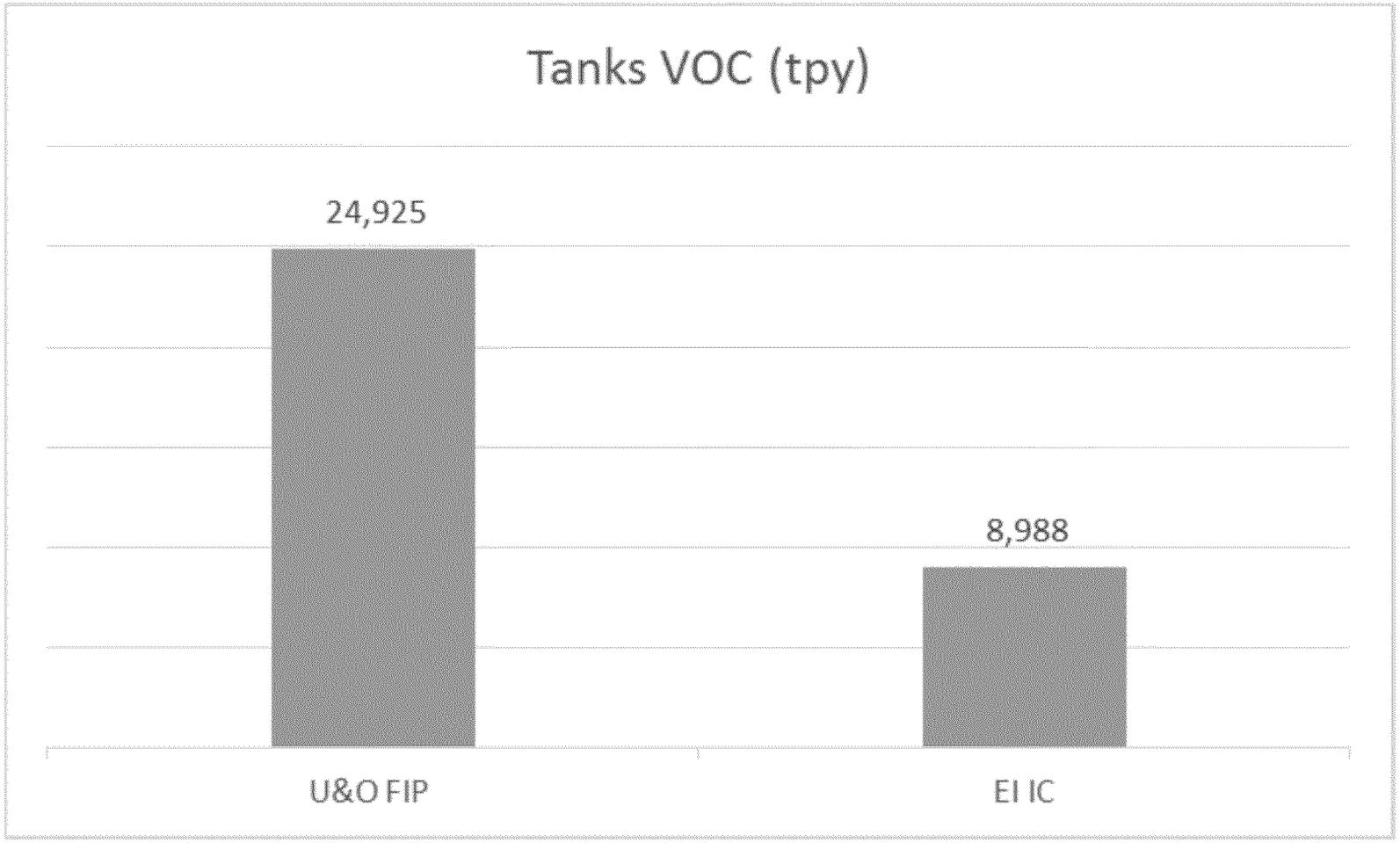
Data Comparison

EI & U&O FIP Data - Tanks



EI & U&O FIP Data - Tanks

EI (IC only): 1.13 VOC (lbs/bbl)

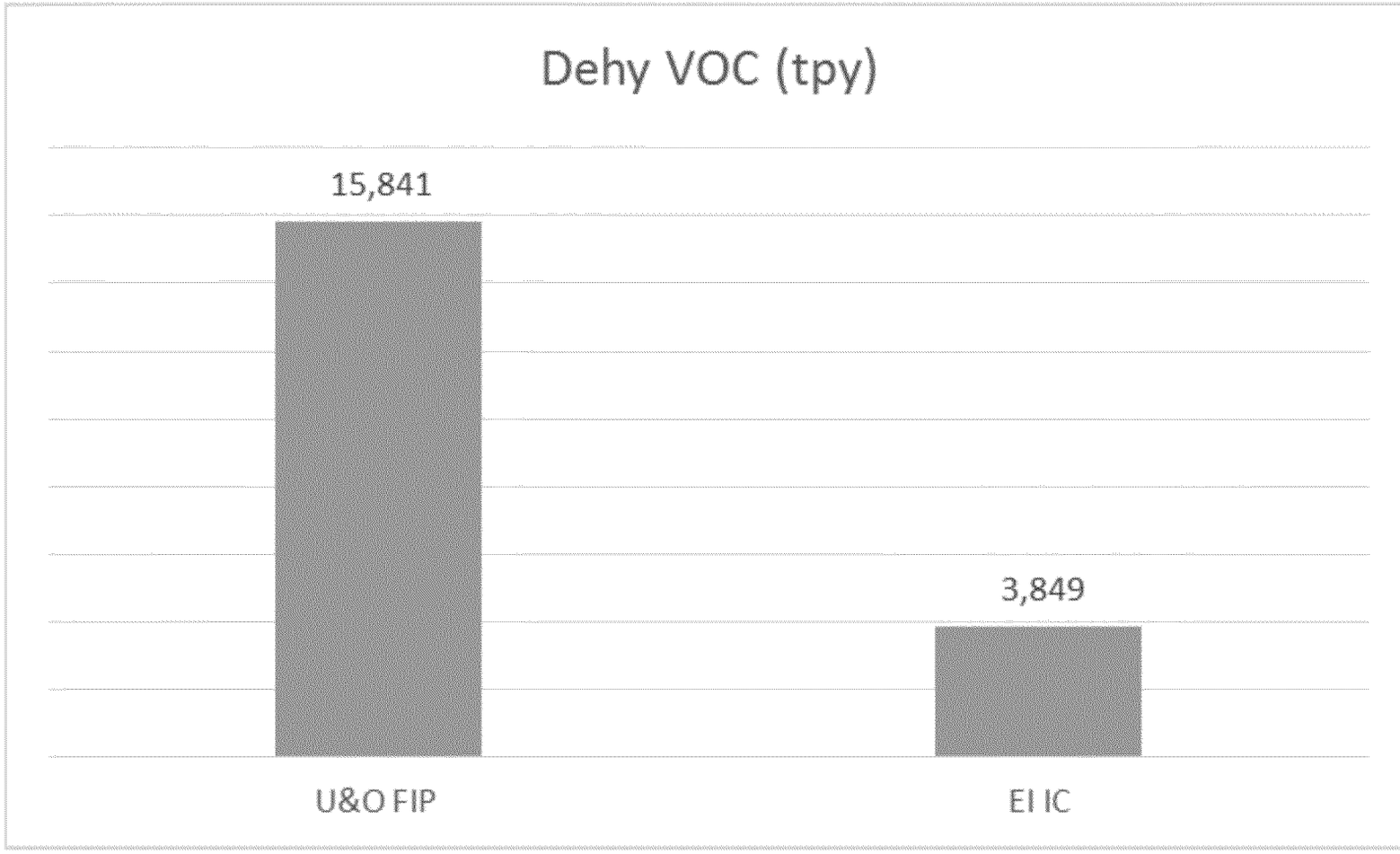
U&O FIP: 1.97 VOC (lbs/bbl)

54% difference

EI & U&O FIP Data - Tanks

Operator EI IC	Operator U&O FIP	U&O FIP Data Avg VOC lbs/bbl	EI Data IC VOC (lbs/bbl)
APC	Anadarko Uintah Midstream, LLC	2.19	2.40
	Kerr-McGee Oil and Gas Onshore LP	5.87	
Axia Energy II, LLC	Axia Energy II, LLC	0.59	0.61
LINN Operating, LLC	Berry Petroleum Company	no data	1.25
Bill Barrett Corporation	Bill Barrett Corporation	1.28	0.03
Crescent Point Energy	Crescent Point Energy U.S. Corp	1.13	0.51
EOG Resources	EOG Resources, Inc.	7.24	8.81
EP Energy E&P Company, L.P.	EP Energy E&P Company, L.P.	1.04	0.91
Koch Exploration Company, LLC	Koch Exploration Company	1.06	1.02
Newfield Exploration	Newfield Production Company	1.01	80.68
QEP Energy	QEP Energy Company	48.56	17.85
	QEP Field Services Company	10.72	0.00
Rosewood Resources, Inc.	Rosewood Resources, Inc.	4.58	79.77
Ultra Petroleum	Ultra Resources, Inc.	0.42	2.70
XTO Energy, Inc	XTO Energy, Inc	0.26	3.11

EI & U&O FIP Data - Dehydrators



EI & U&O FIP Data - Dehydrators

	# of Dehys		VOC (tpy)		
	EI IC	U&O FIP	EI IC	U&O FIP	Difference
APC	16	5	0.09	8	8
EOG	1,149	1,198	2,269	6,518	4,249
Koch	32	32	24	474	450
QEP	58	62	203	328	125
XTO	619	559	1,120	8,353	7,233

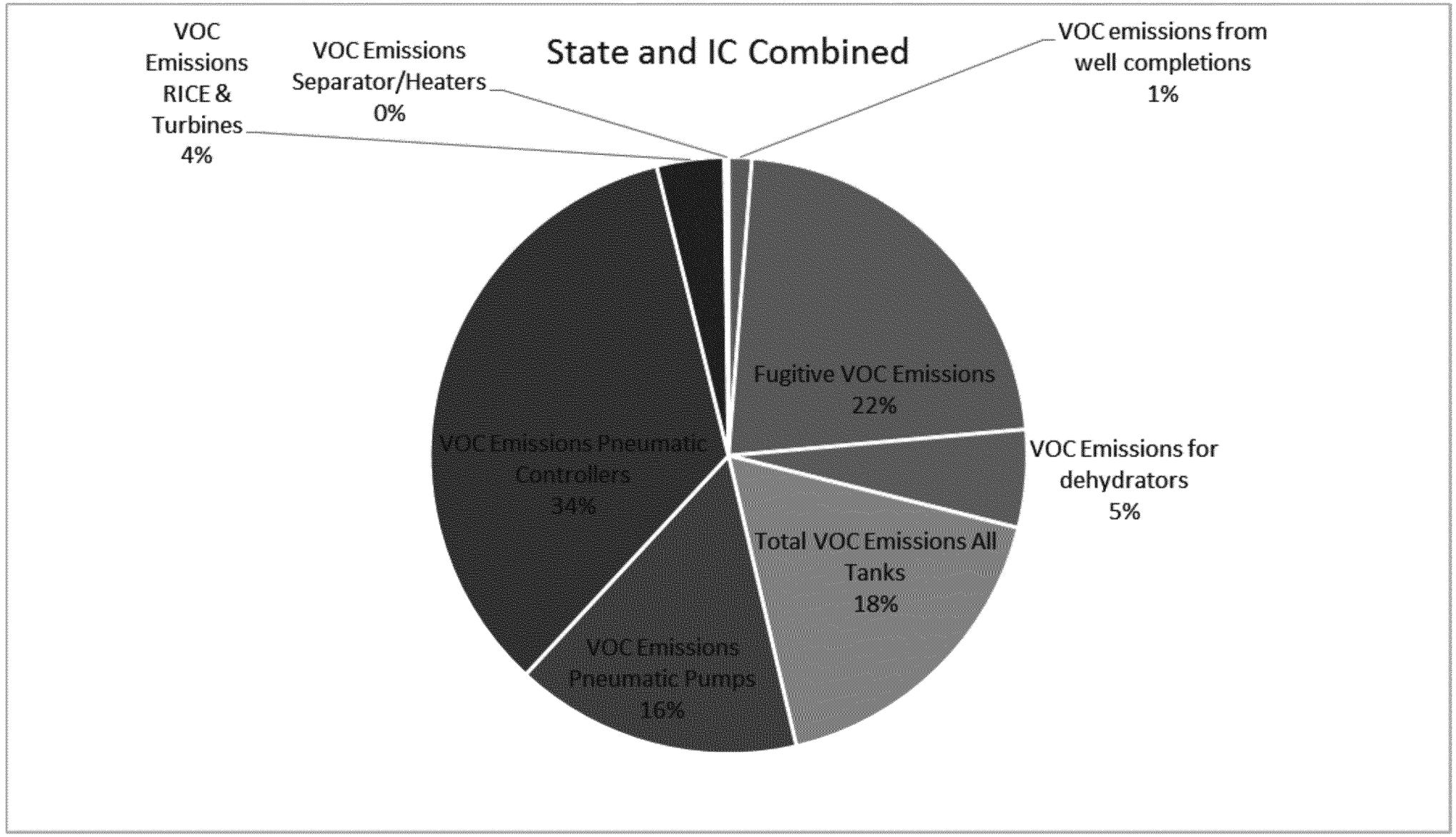
Subpart W & EI Data – Pumps

Compared to Subpart W, EI is missing ~3100 pumps

From EI data, 1.33 VOC (tpy)/pump

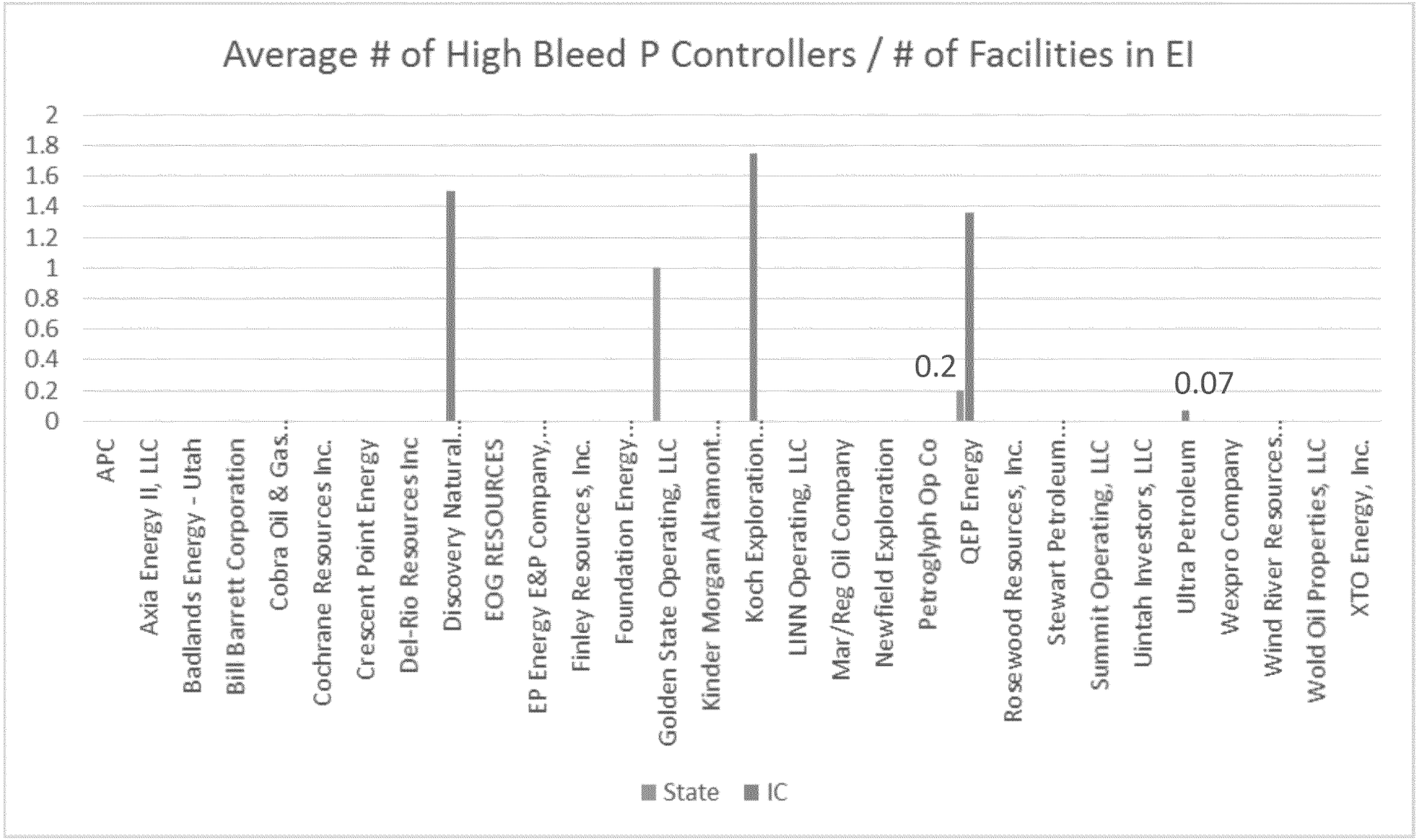
3100 X 1.33 VOC (tpy) / pump = 4,123 VOC (tpy)

EI Data – Total VOC (tpy)

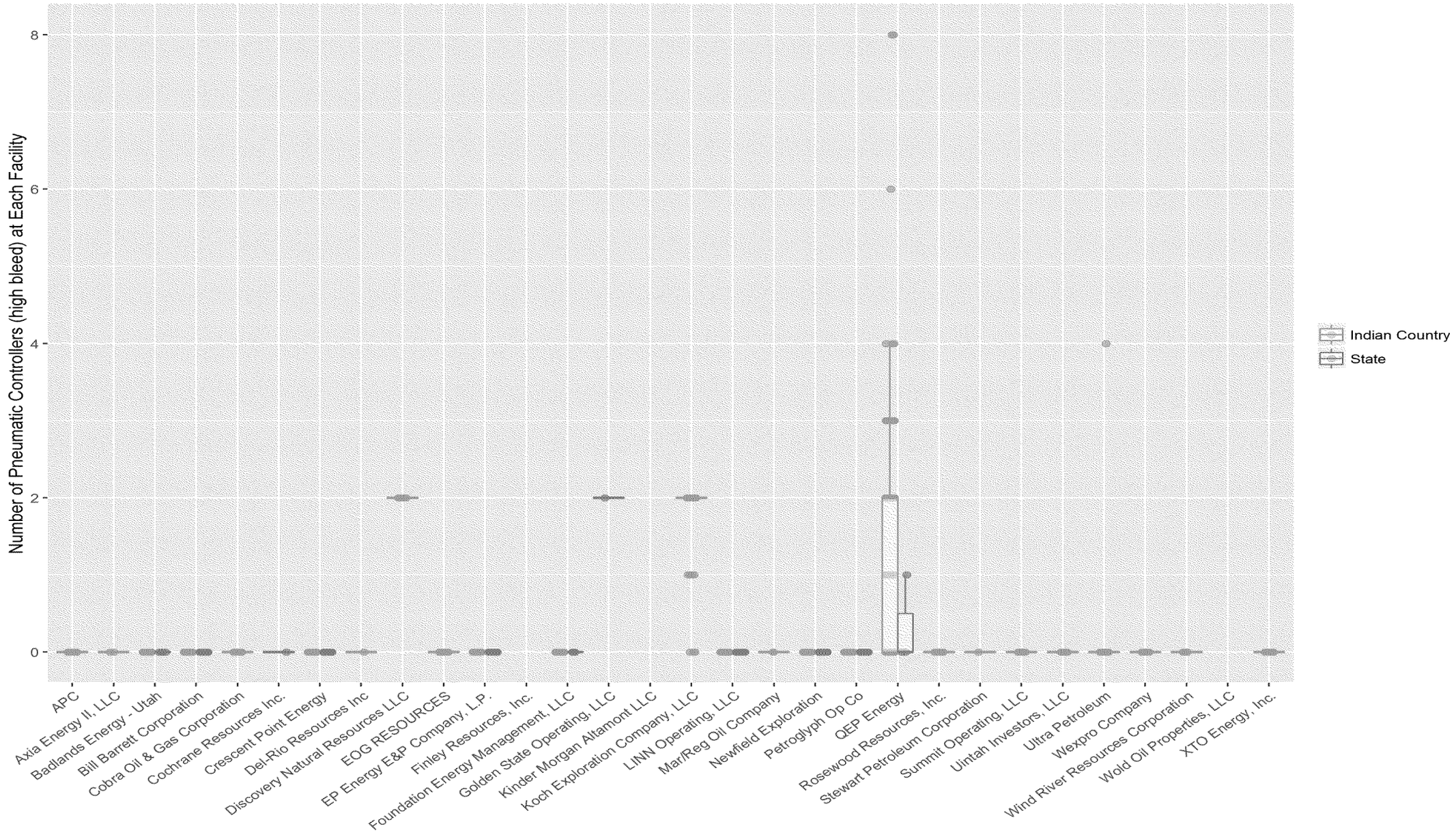


Controllers

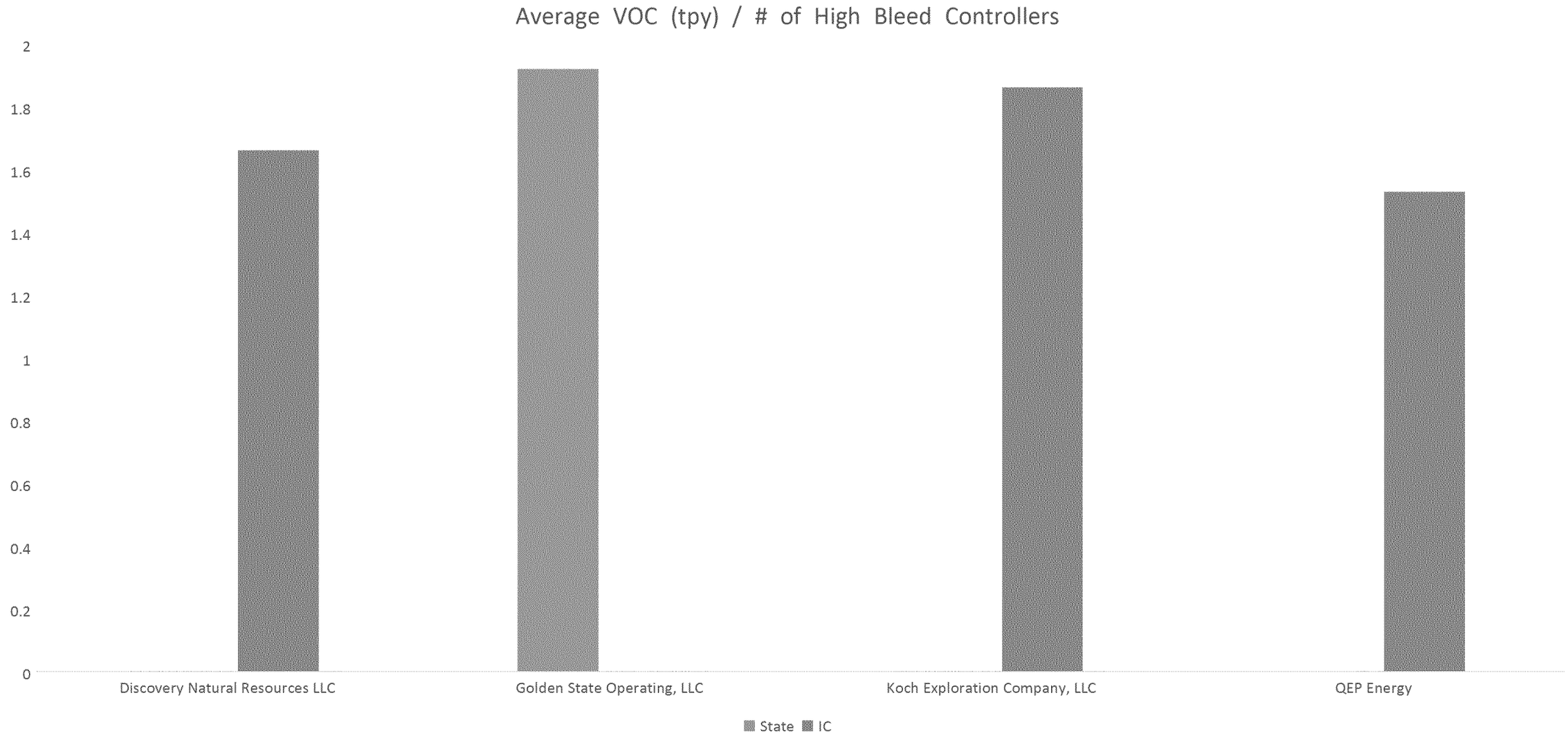
EI Data – High Bleed Controllers Counts



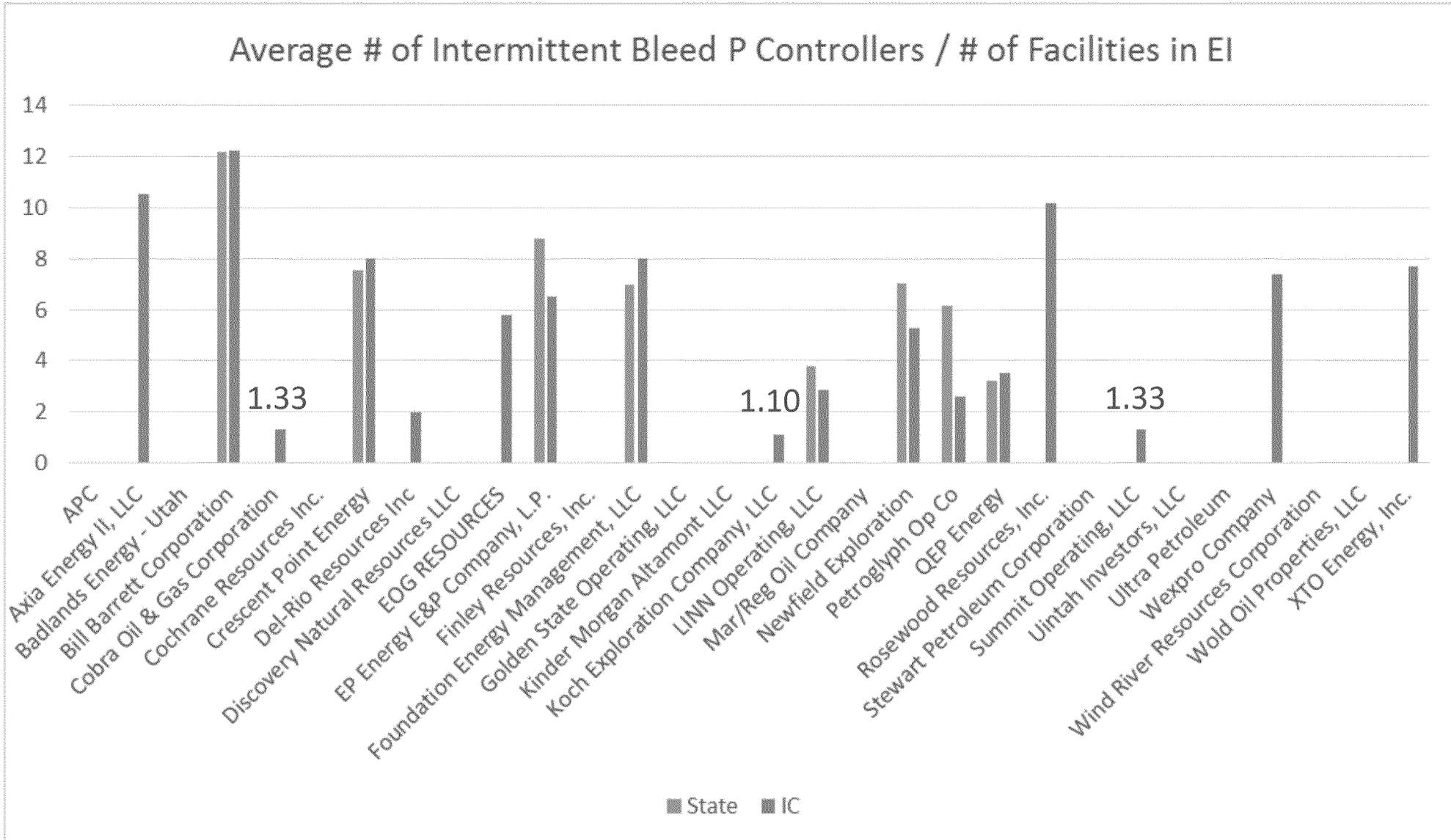
EI Data – High Bleed Controllers Counts



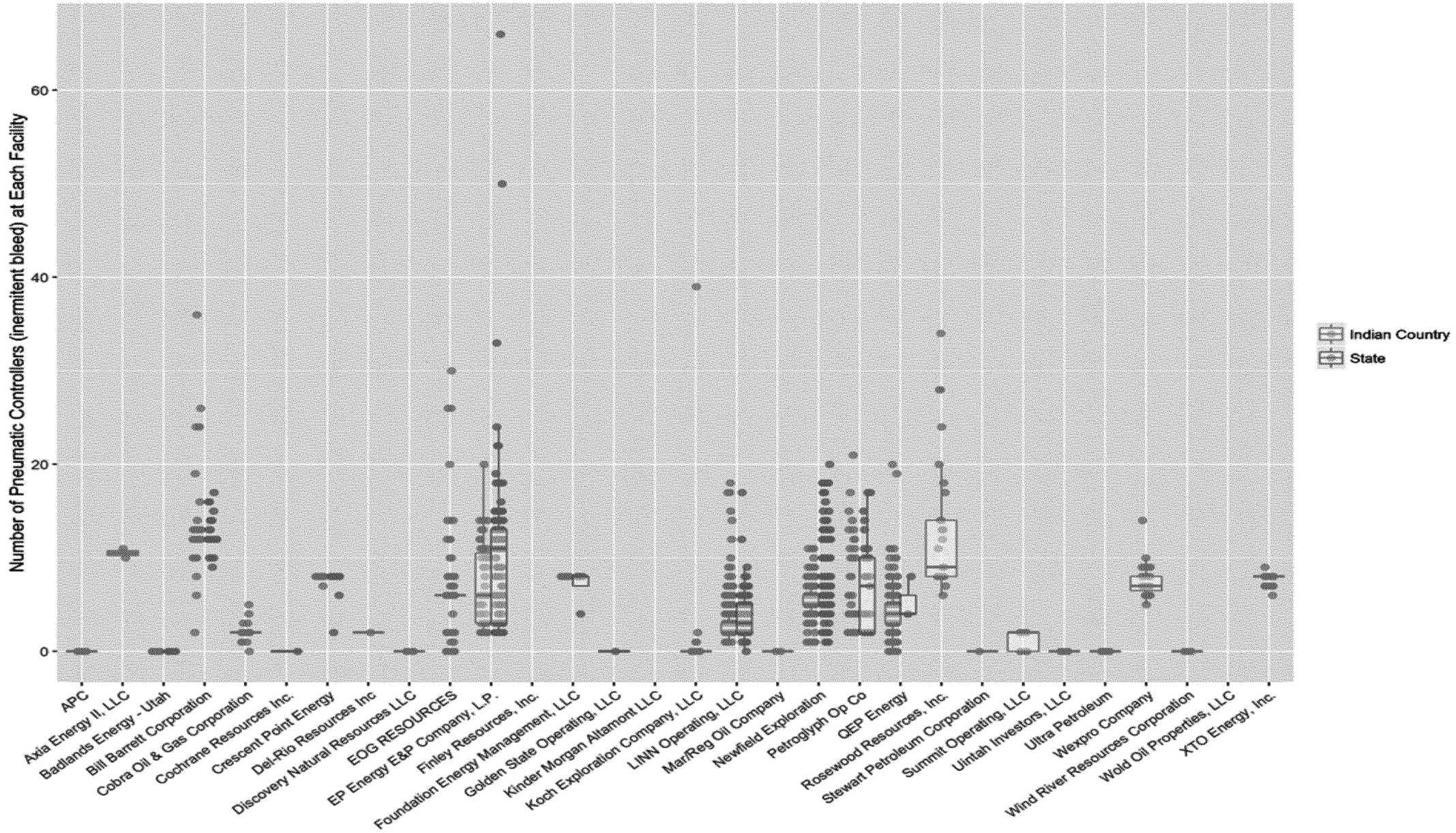
EI Data – High Bleed Controllers VOC (tpy)



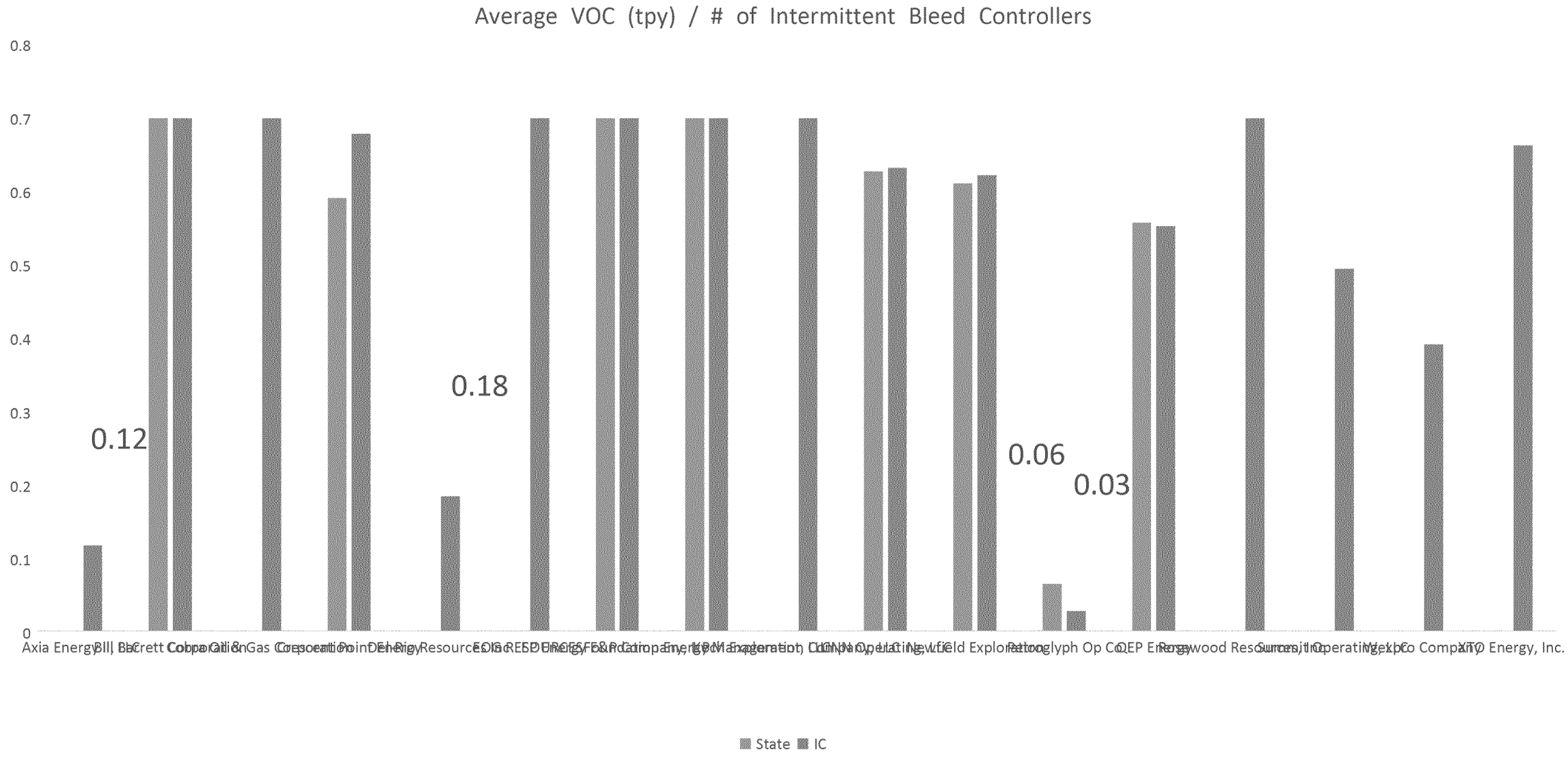
EI Data – Intermittent Bleed Controllers Counts



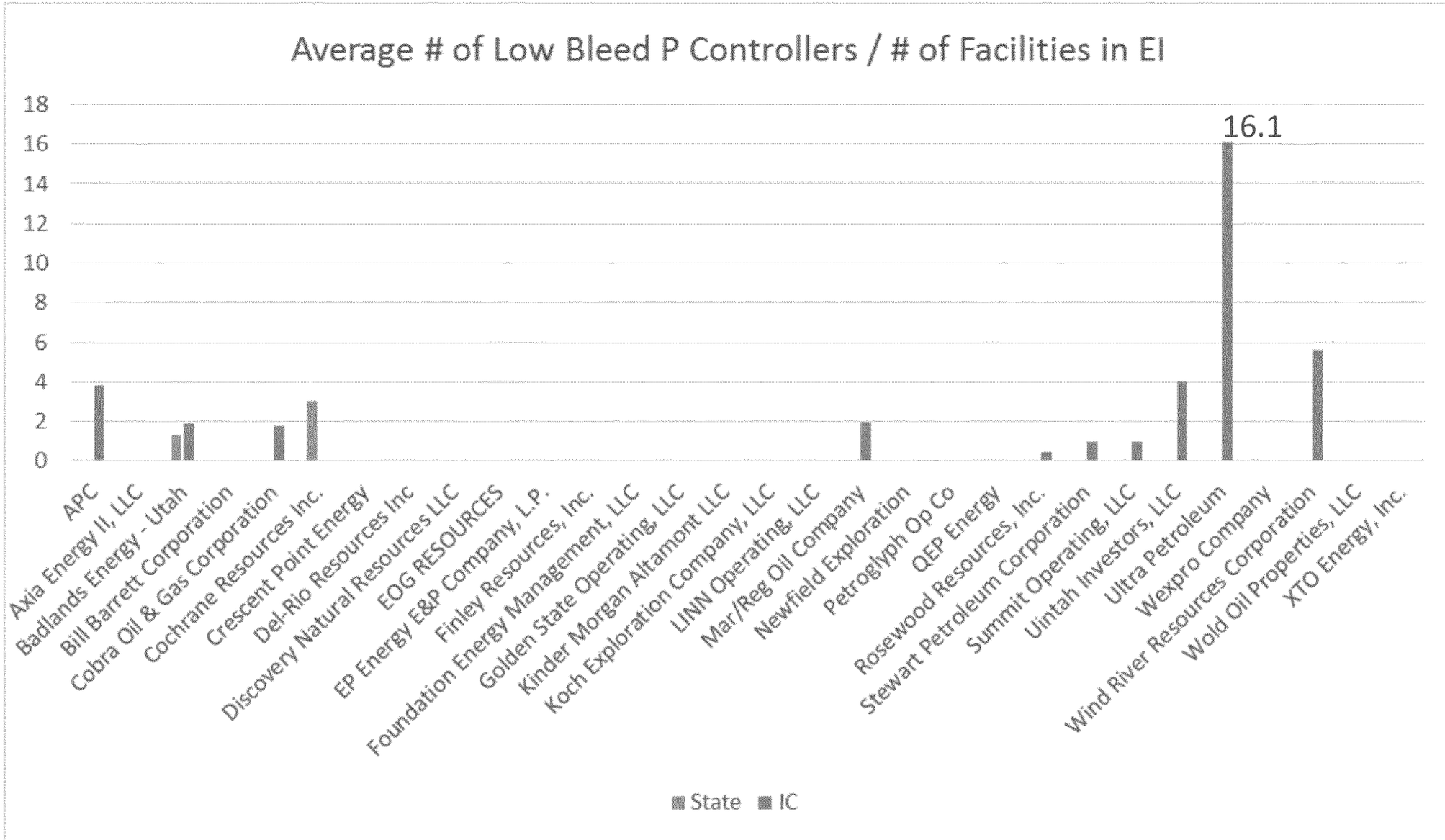
EI Data – Intermittent Bleed Controllers Counts



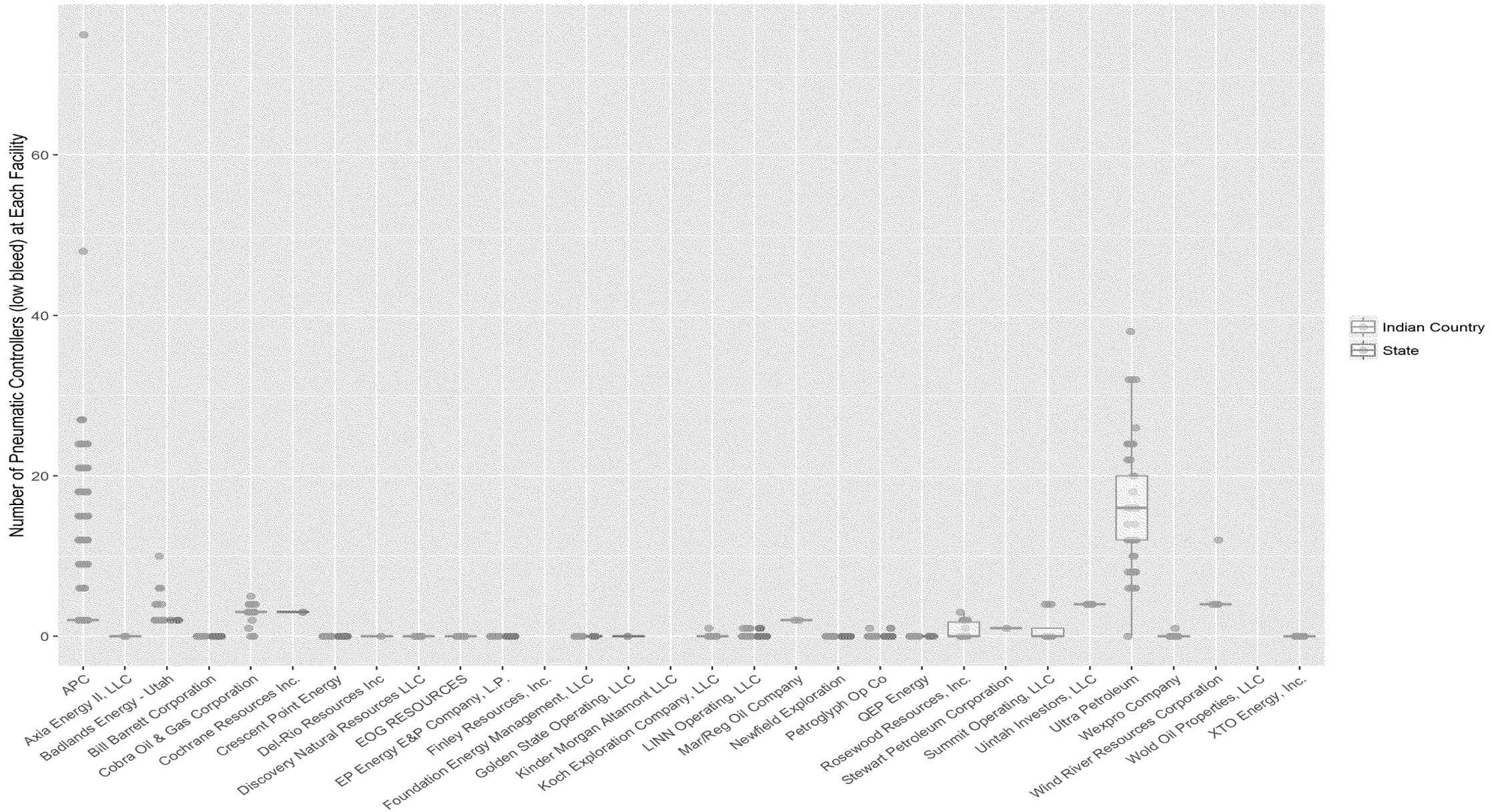
EI Data – Intermittent Bleed Controllers VOC (tpy)



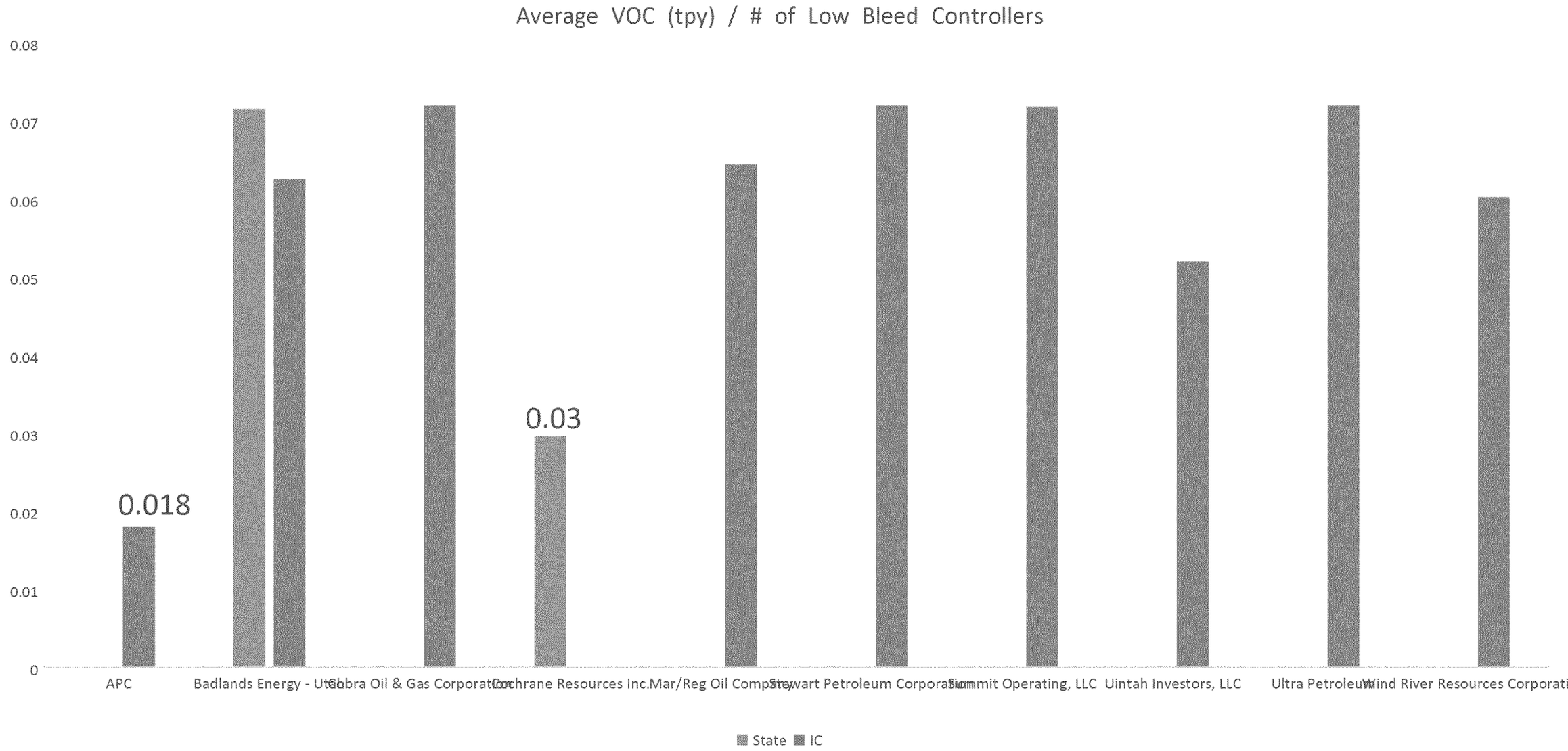
EI Data – Low Bleed Controllers Counts



EI Data – Low Bleed Controllers Counts

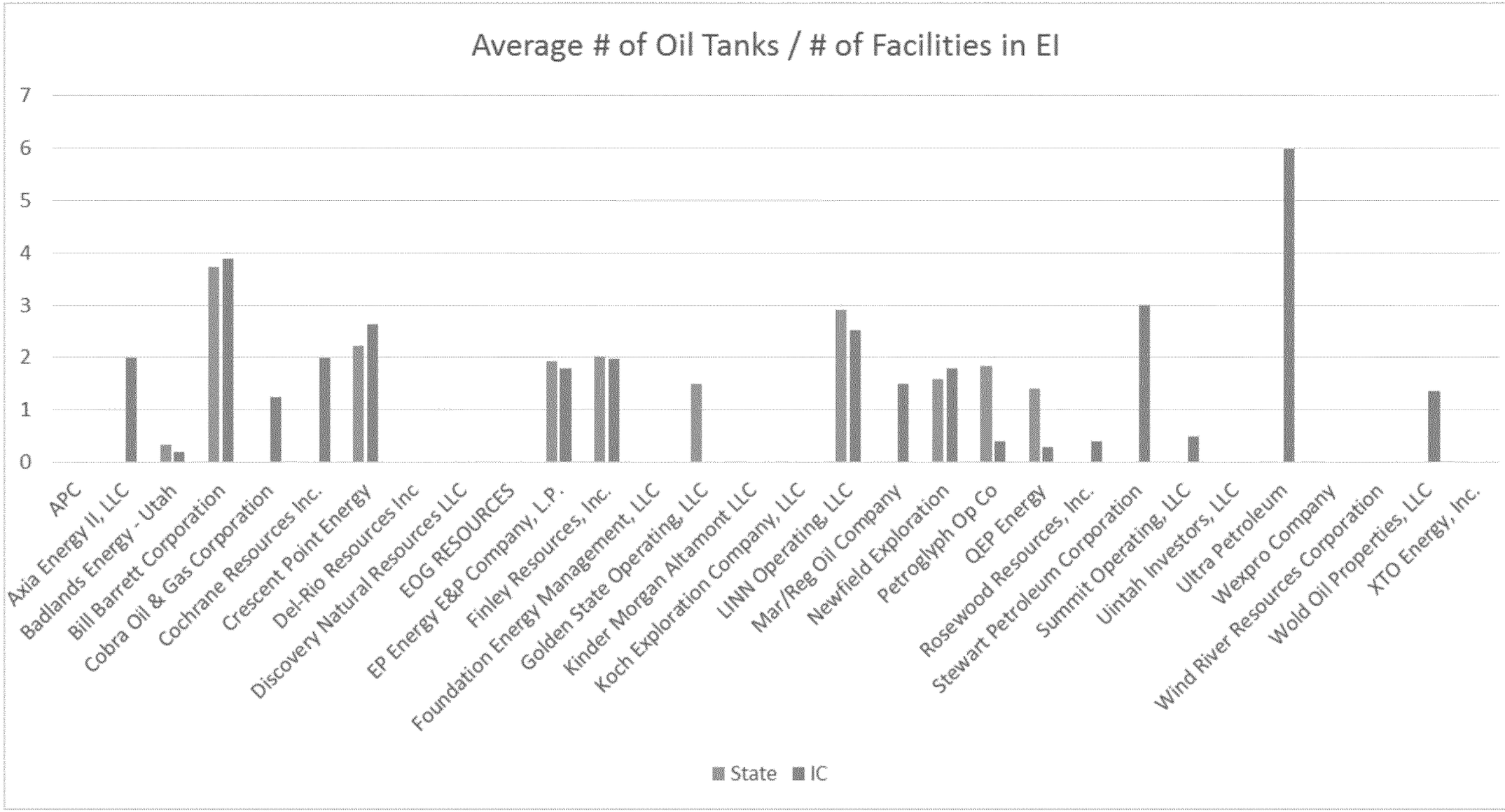


EI Data – Low Bleed Controllers VOC (tpy)

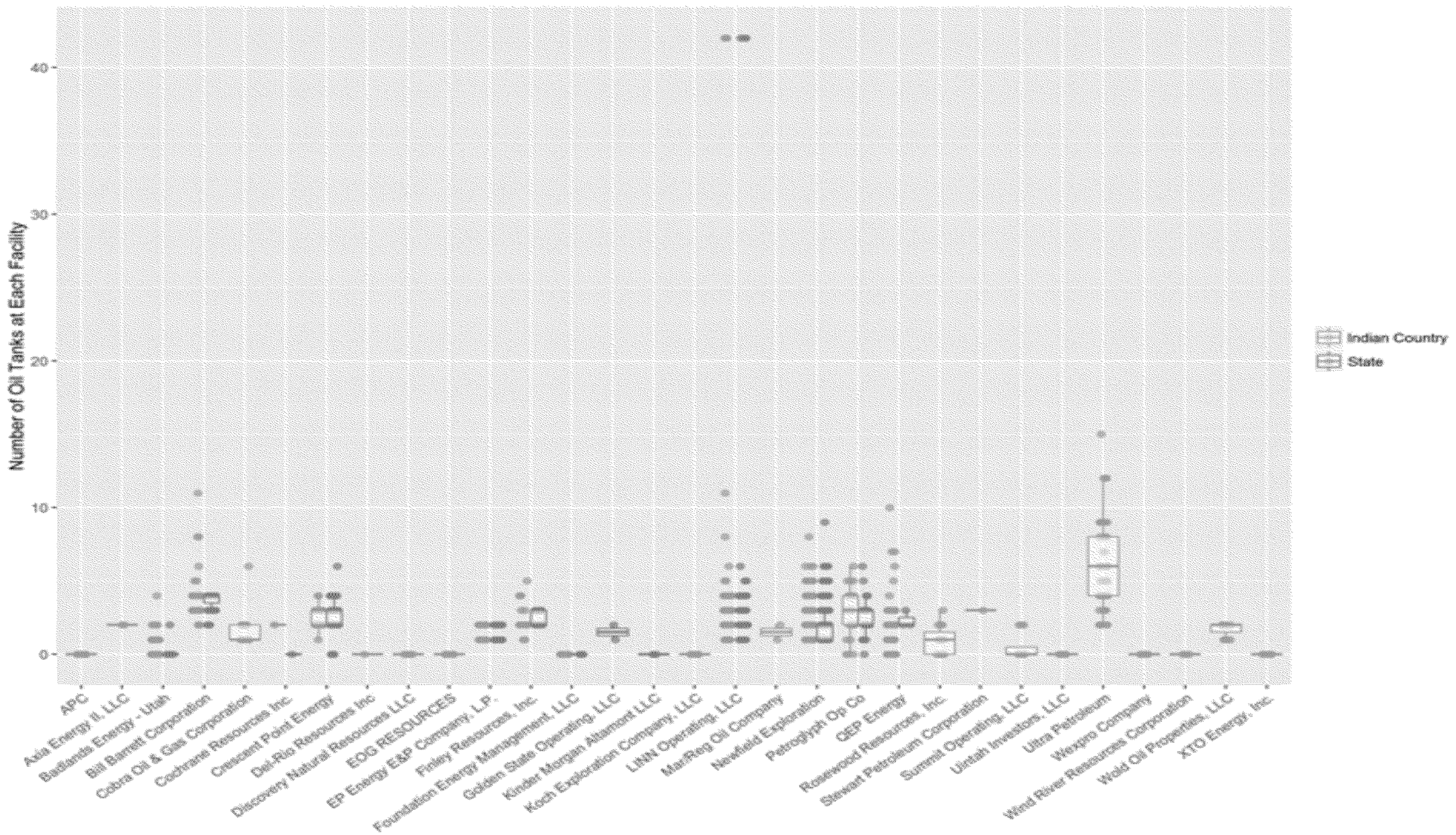


Tanks

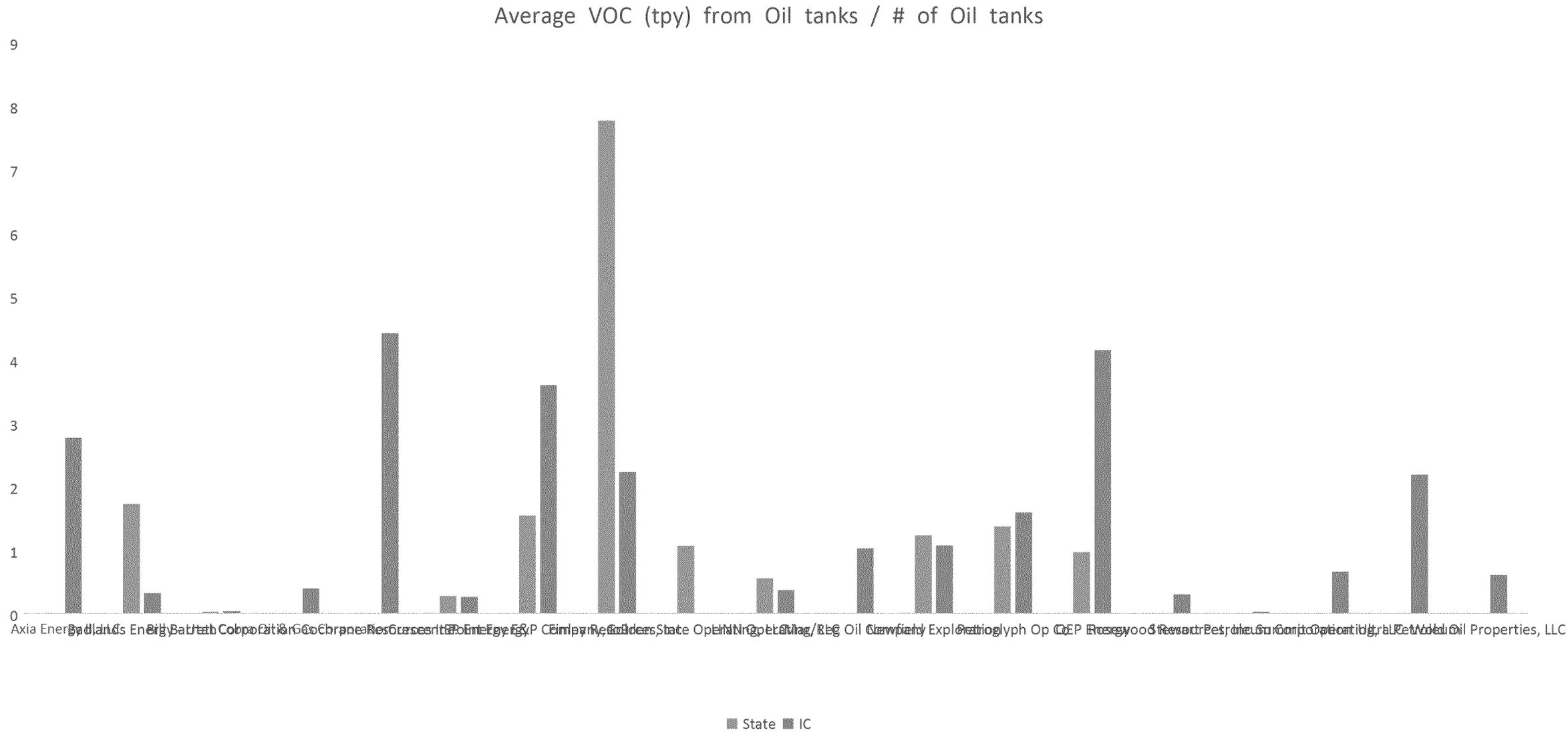
EI Data – Oil Tanks Counts



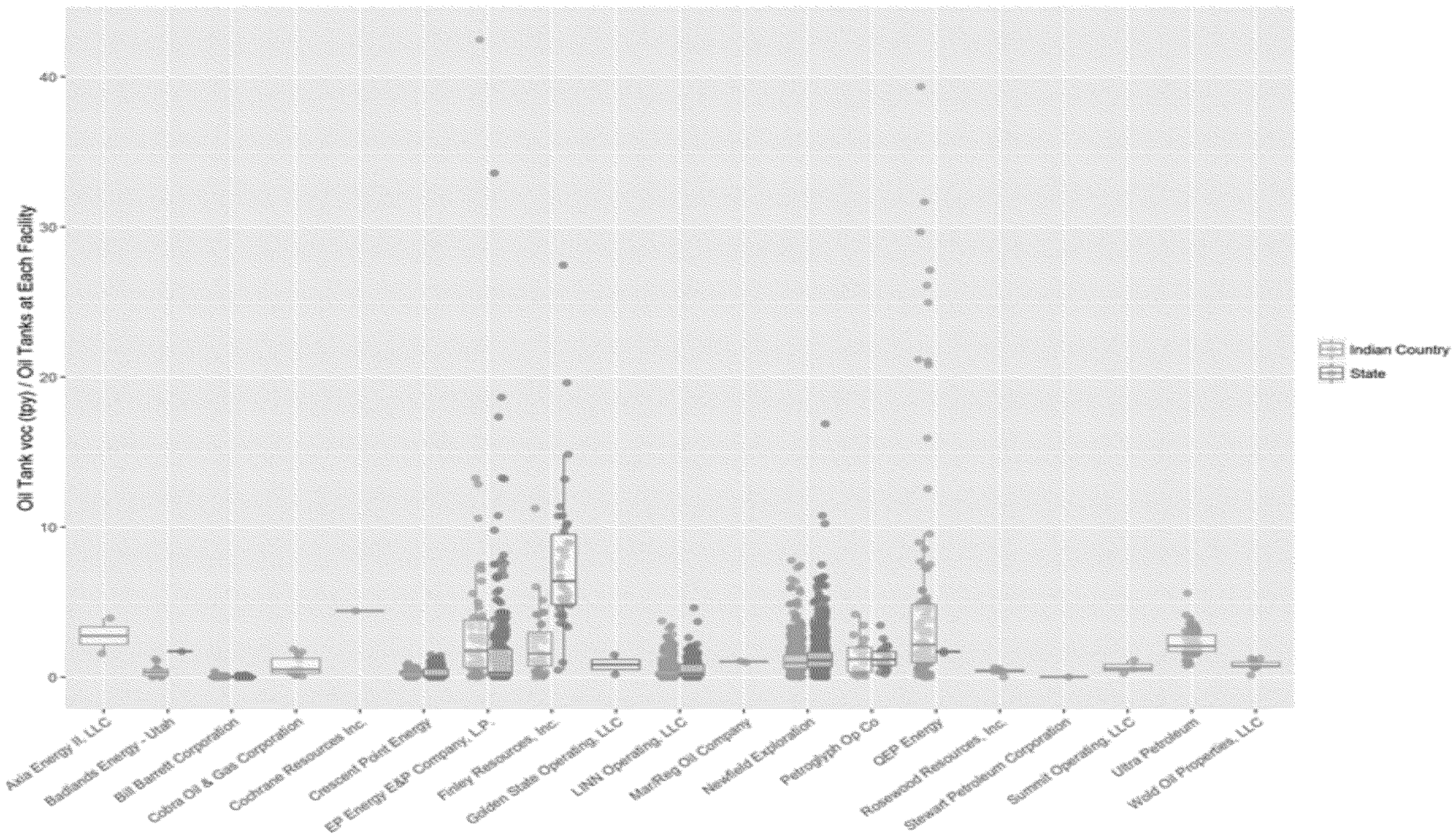
EI Data – Oil Tanks Counts



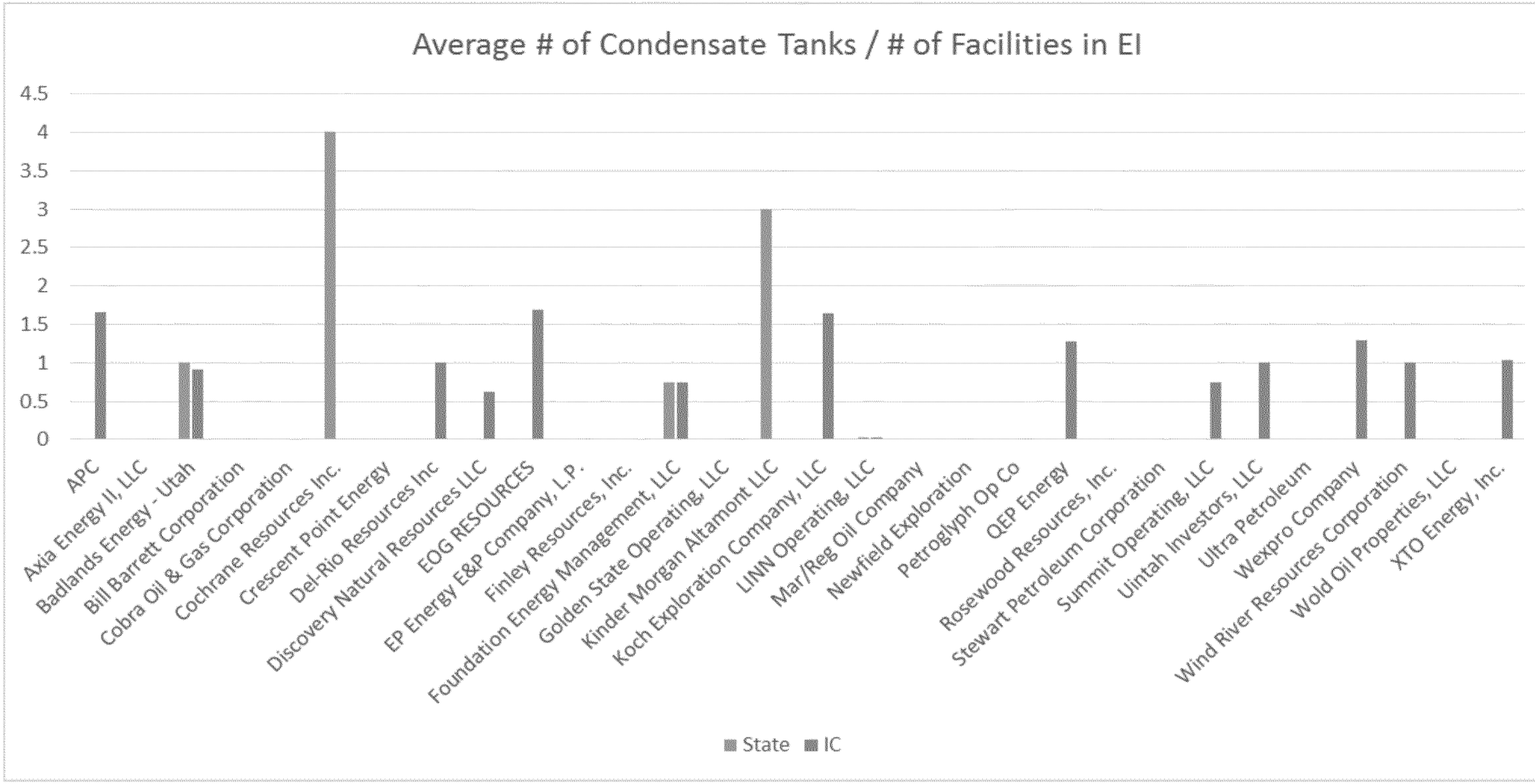
EI Data – Oil Tanks VOC (tpy)



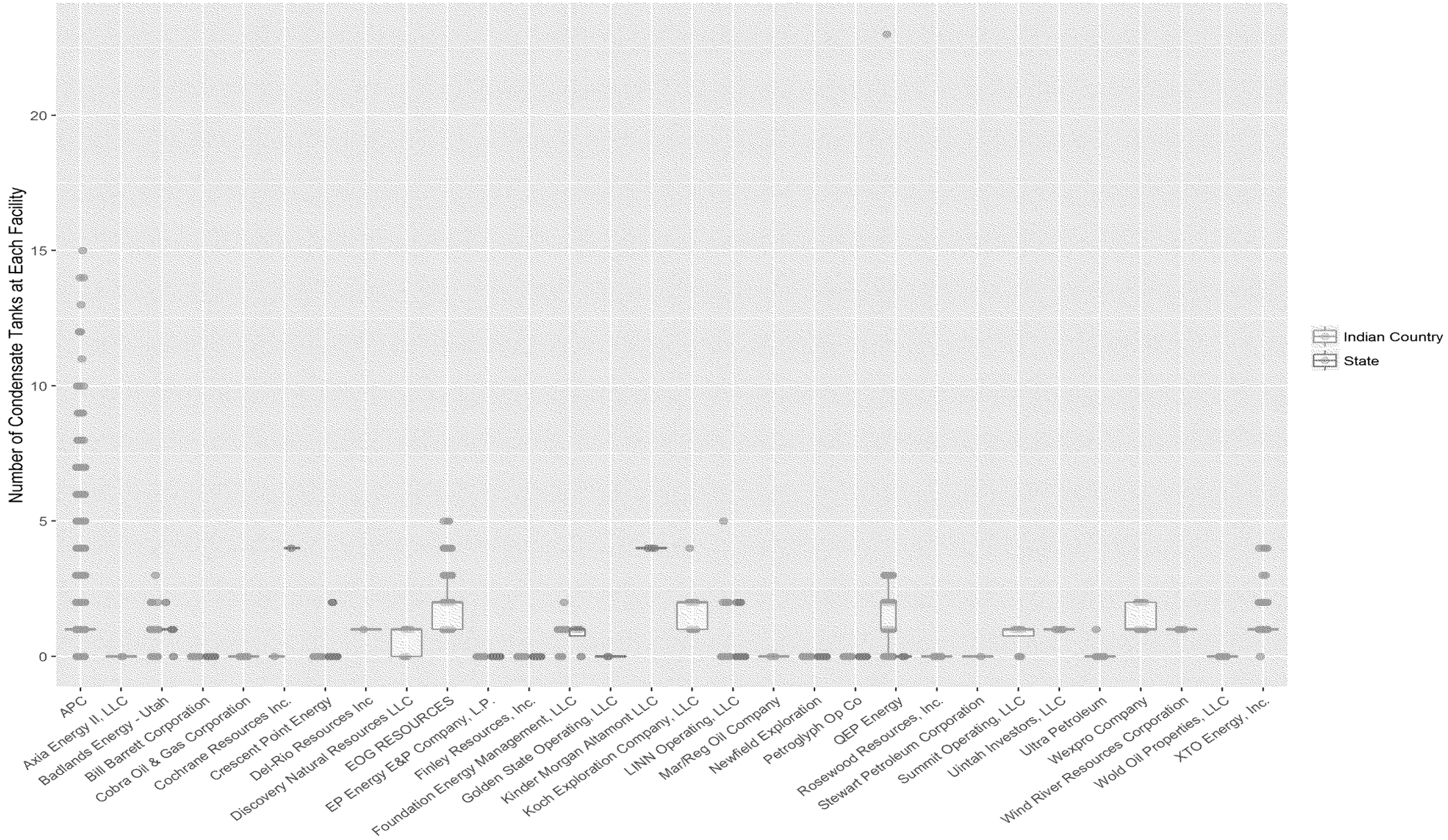
EI Data – Oil Tanks VOC (tpy)



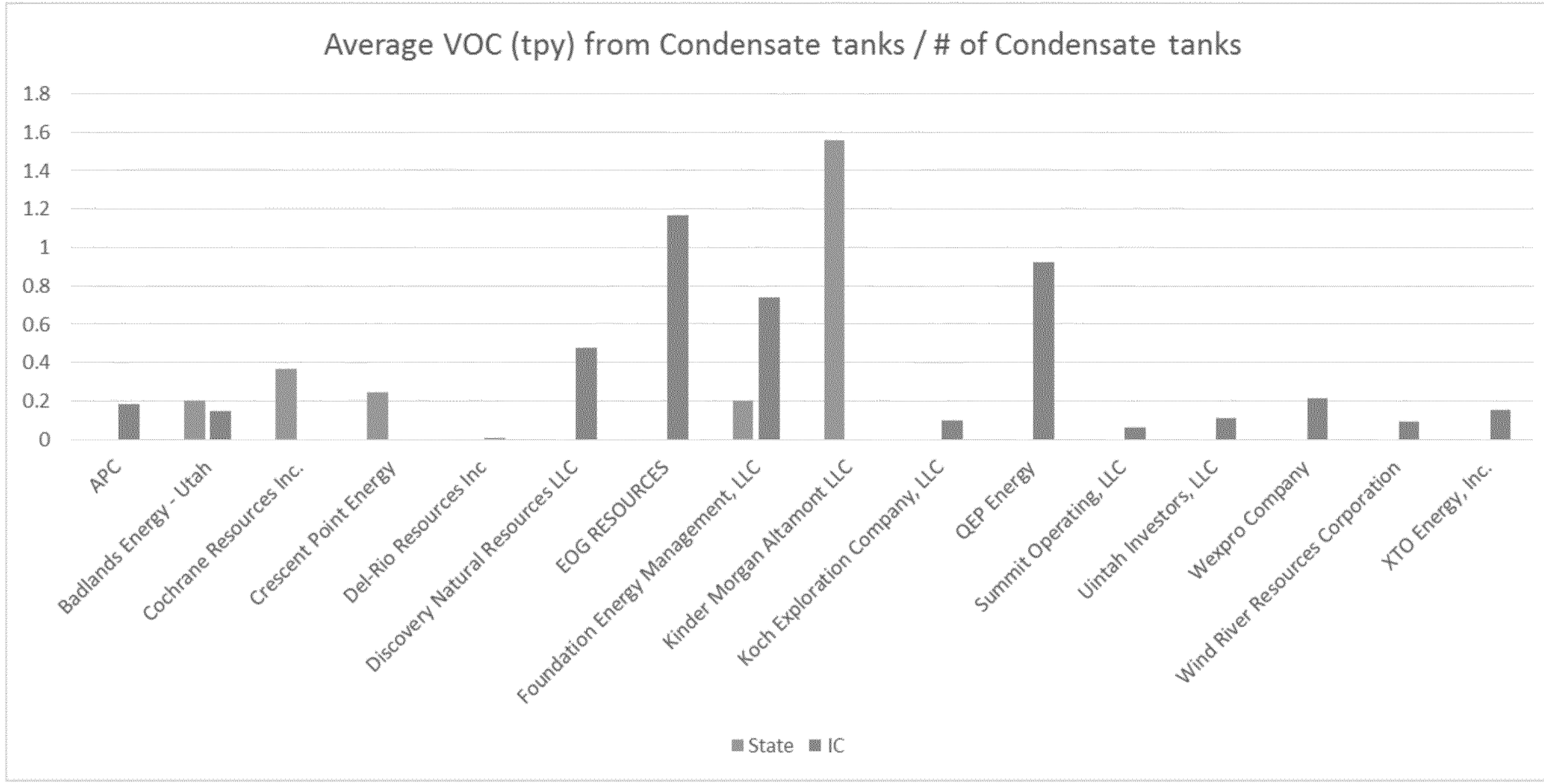
EI Data – Condensate Tanks Counts



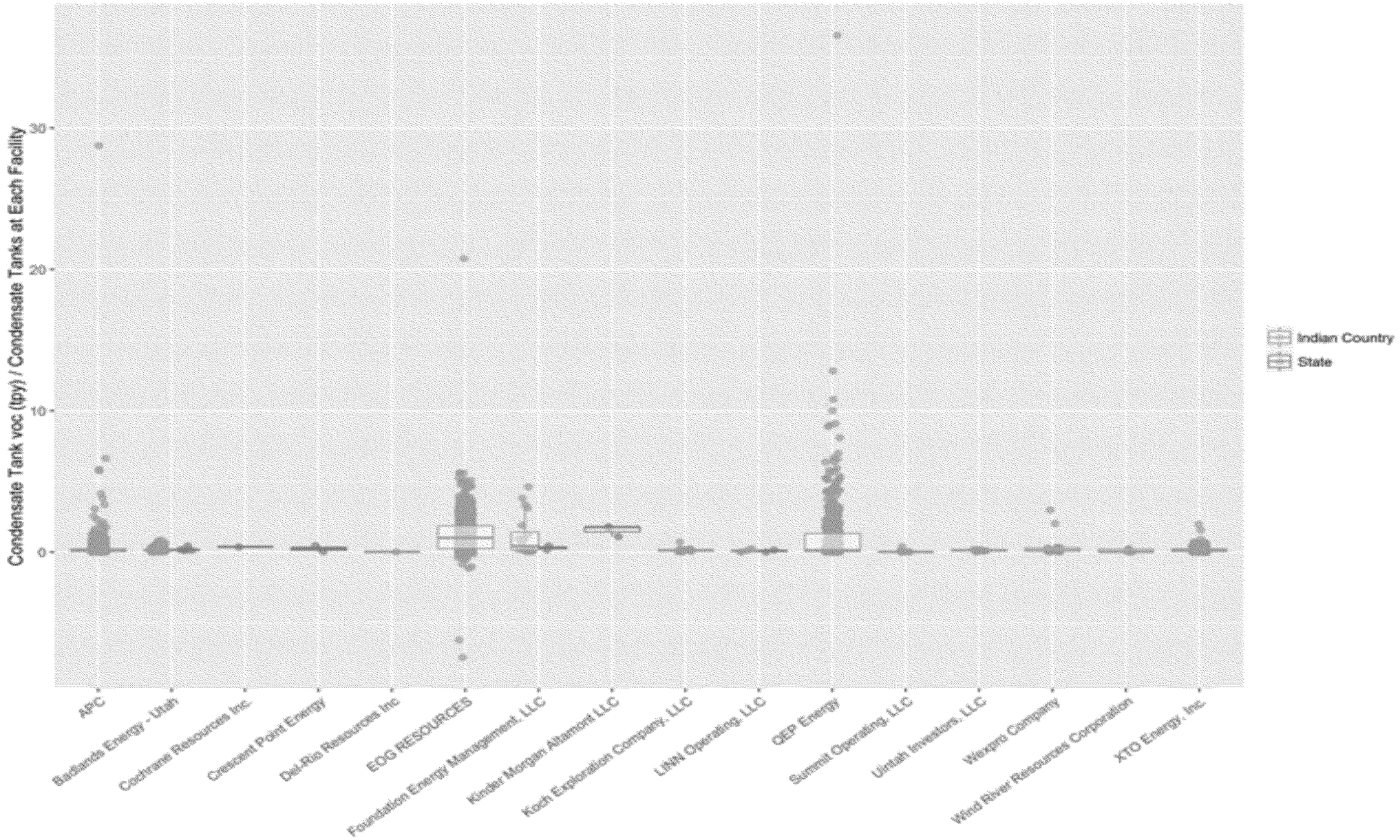
EI Data – Condensate Tanks Counts



EI Data – Condensate Tanks VOC (tpy)

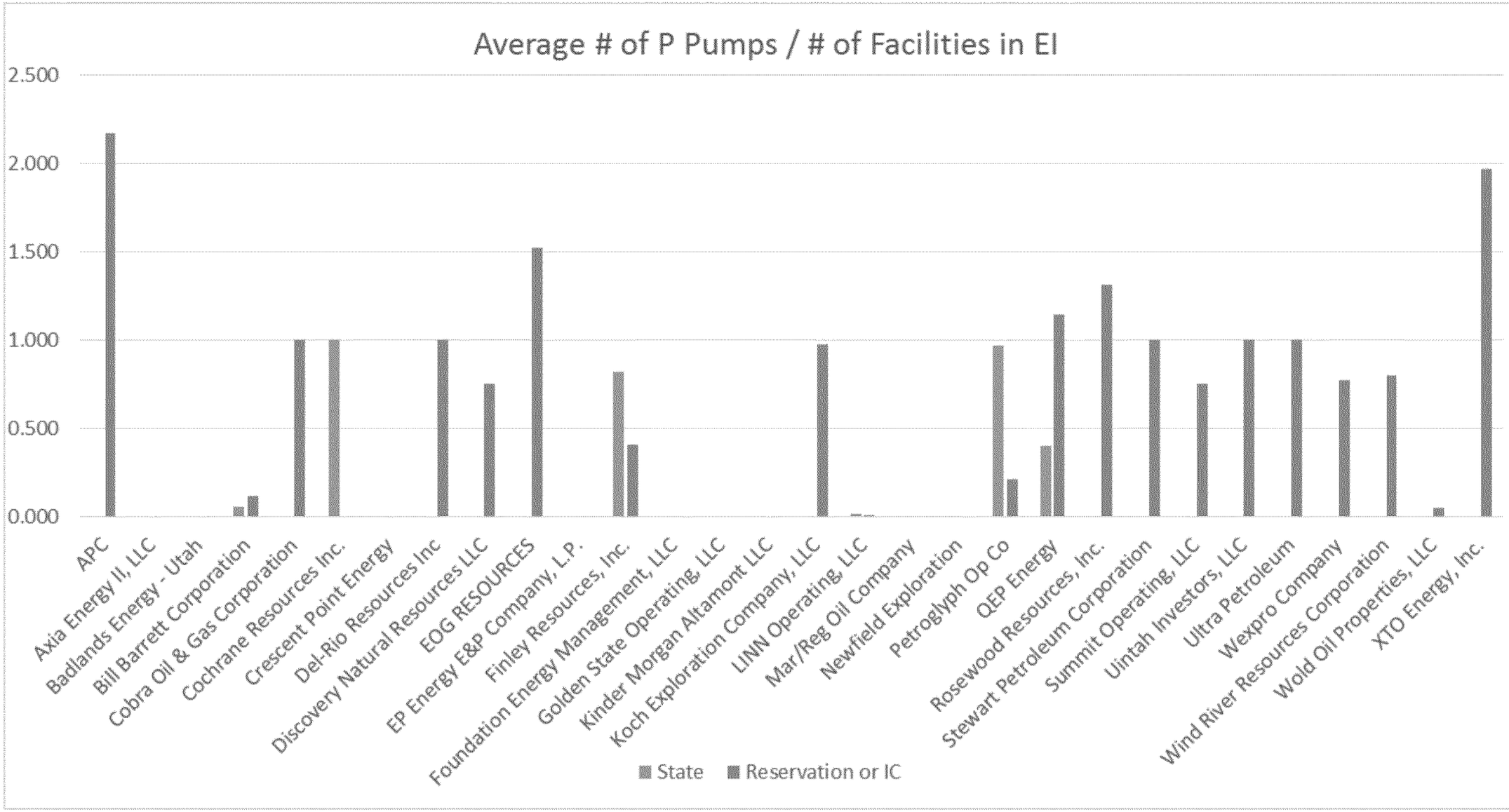


EI Data – Condensate Tanks VOC (tpy)

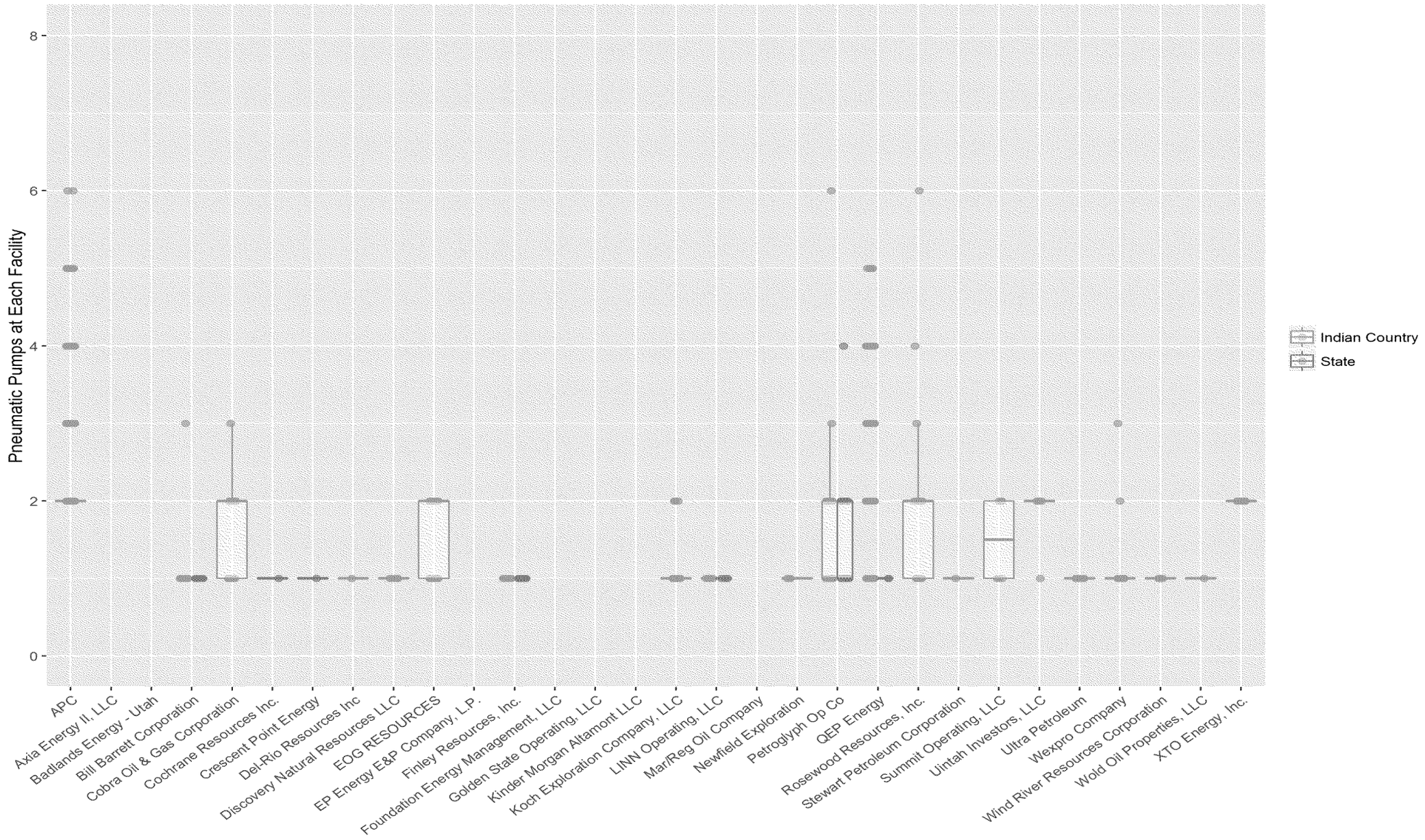


Pumps

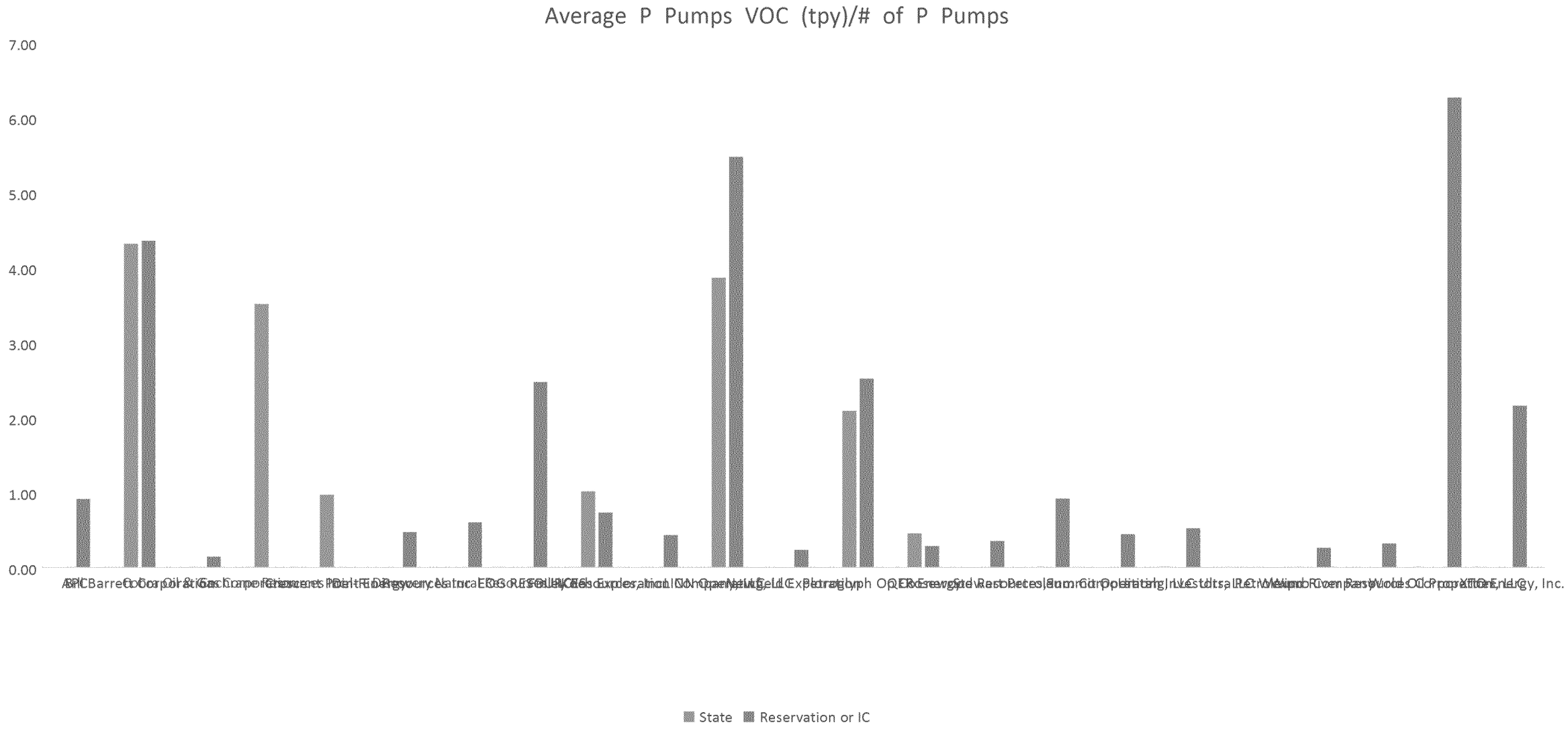
EI Data – Pumps Counts



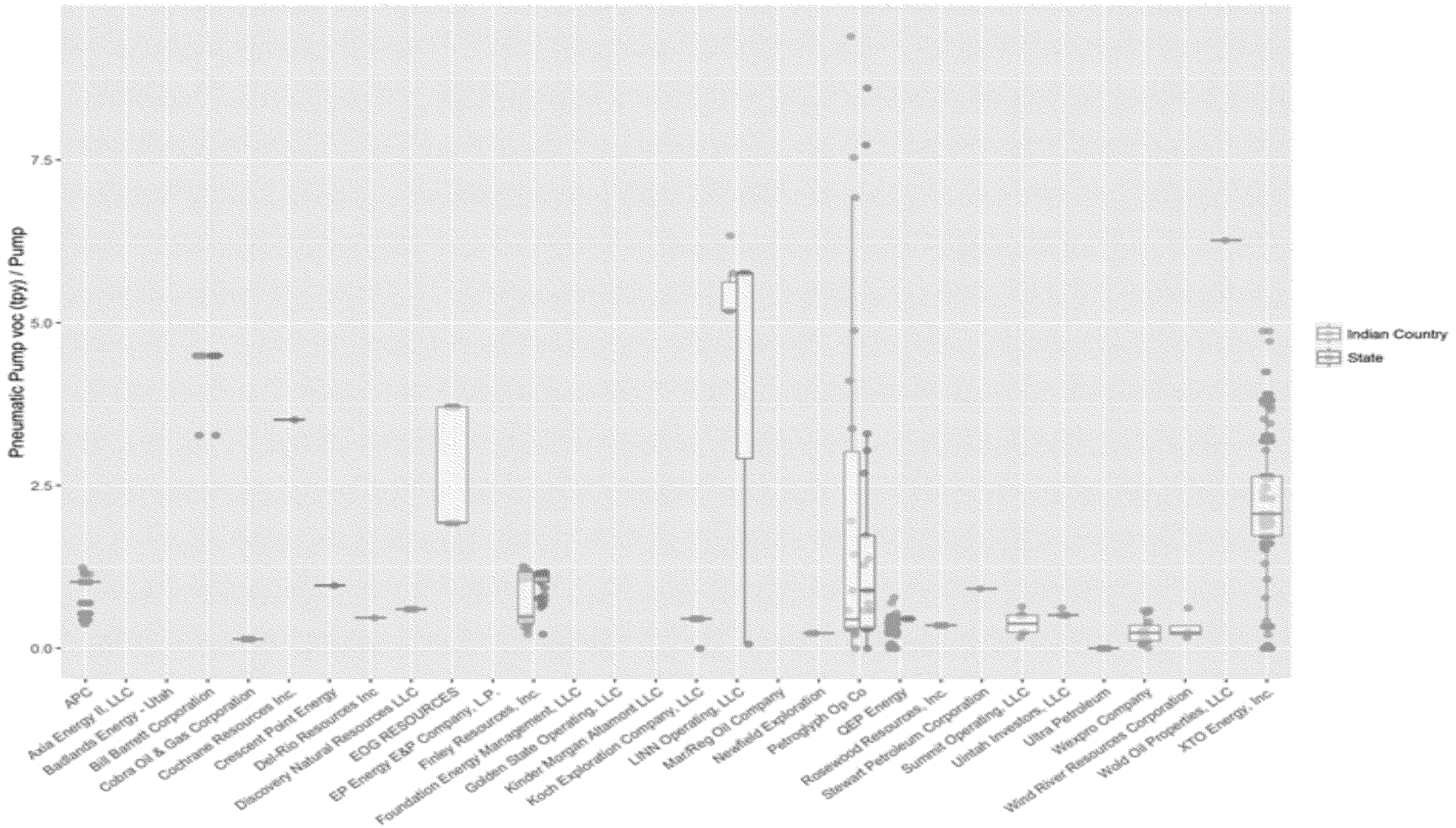
EI Data – Pumps Counts



EI Data – Pumps VOC (tpy)



EI Data – Pumps VOC (tpy)



EI Data – Pumps

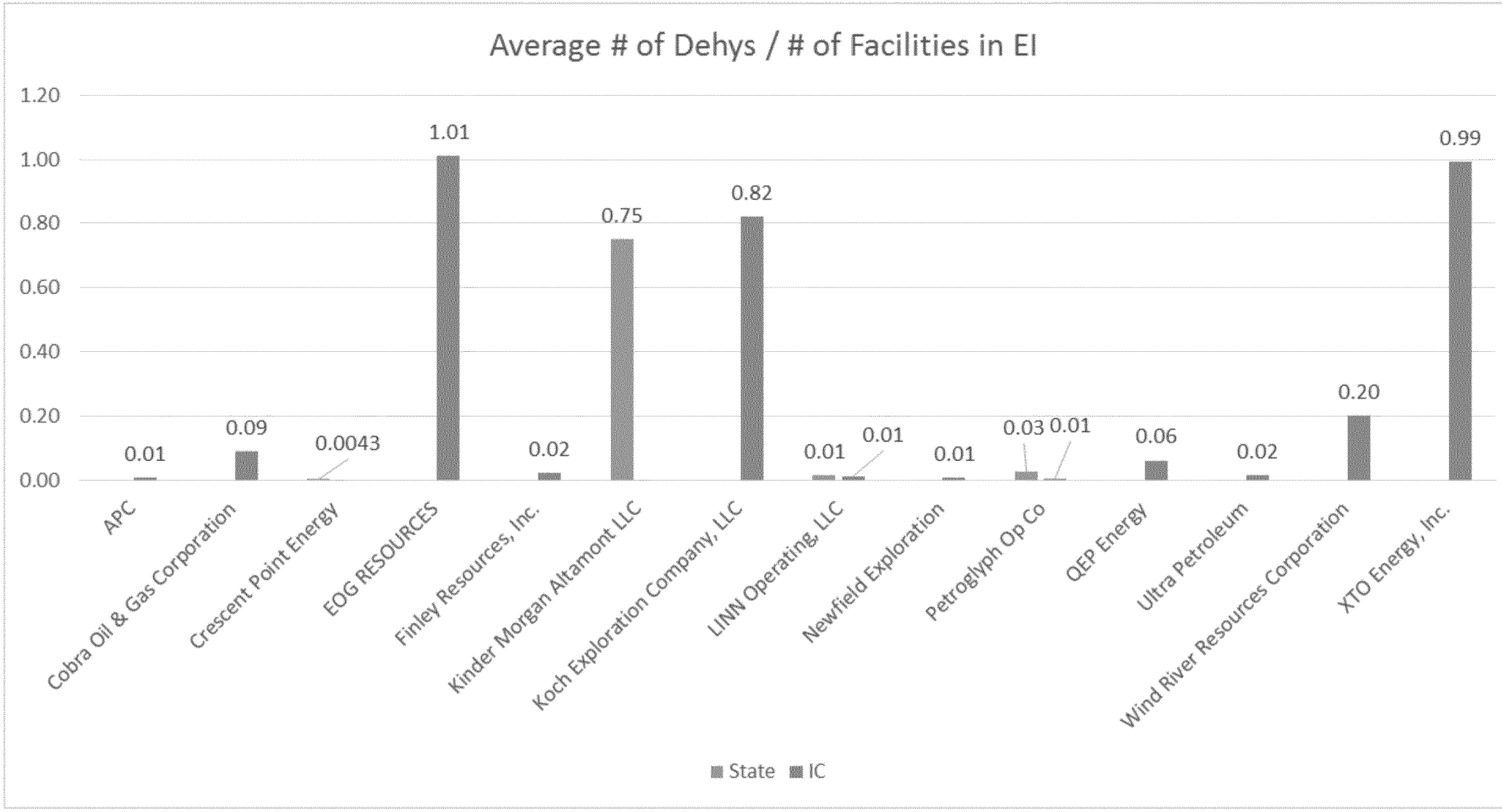
11 operators reported no data for pumps; no pumps on site?

	State	State	Reservation or IC	Reservation or IC
Row Labels	# of Facilities Reporting Pump Data	# Facilities in EI	# of Facilities Reporting Pump Data	# Facilities in EI
Axia Energy II, LLC	–	–	0	2
Badlands Energy - Utah	0	6	0	125
Cochrane Resources Inc.	–	–	0	1
Crescent Point Energy	–	–	0	82
EP Energy E&P Company, L.P.	0	247	0	51
Foundation Energy Management	0	4	0	42
Golden State Operating, LLC	0	2	–	–
Kinder Morgan Altamont LLC	0	4	–	–
Newfield Exploration	0	896	–	–
Mar/Reg Oil Company	–	–	0	2
Ultra Petroleum*	–	–	0	59
Totals	–	1,159	–	364

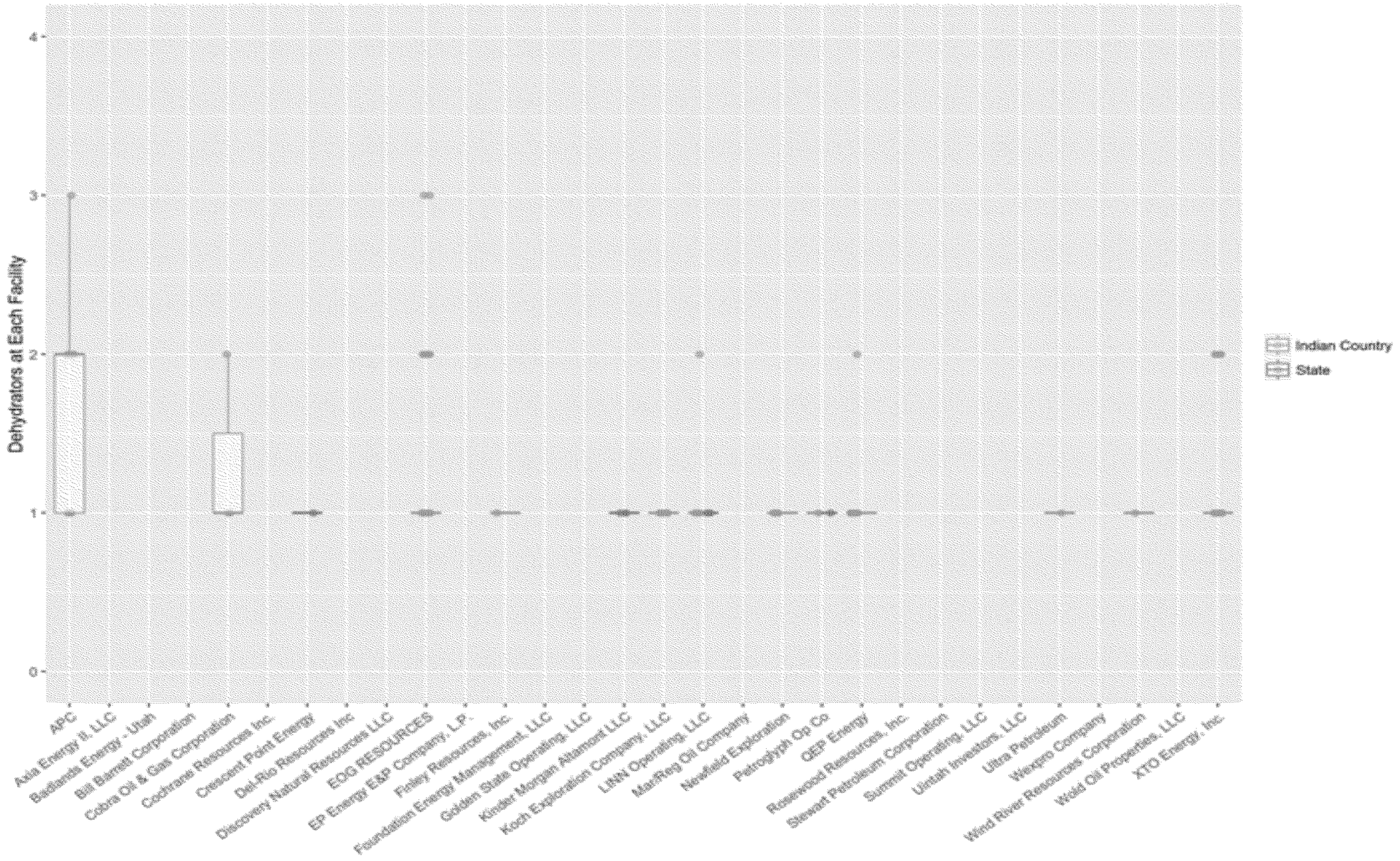
* For Ultra, NULL was entered for pump type, pump function, hours of operation, vent rate, VOC

Dehydrators

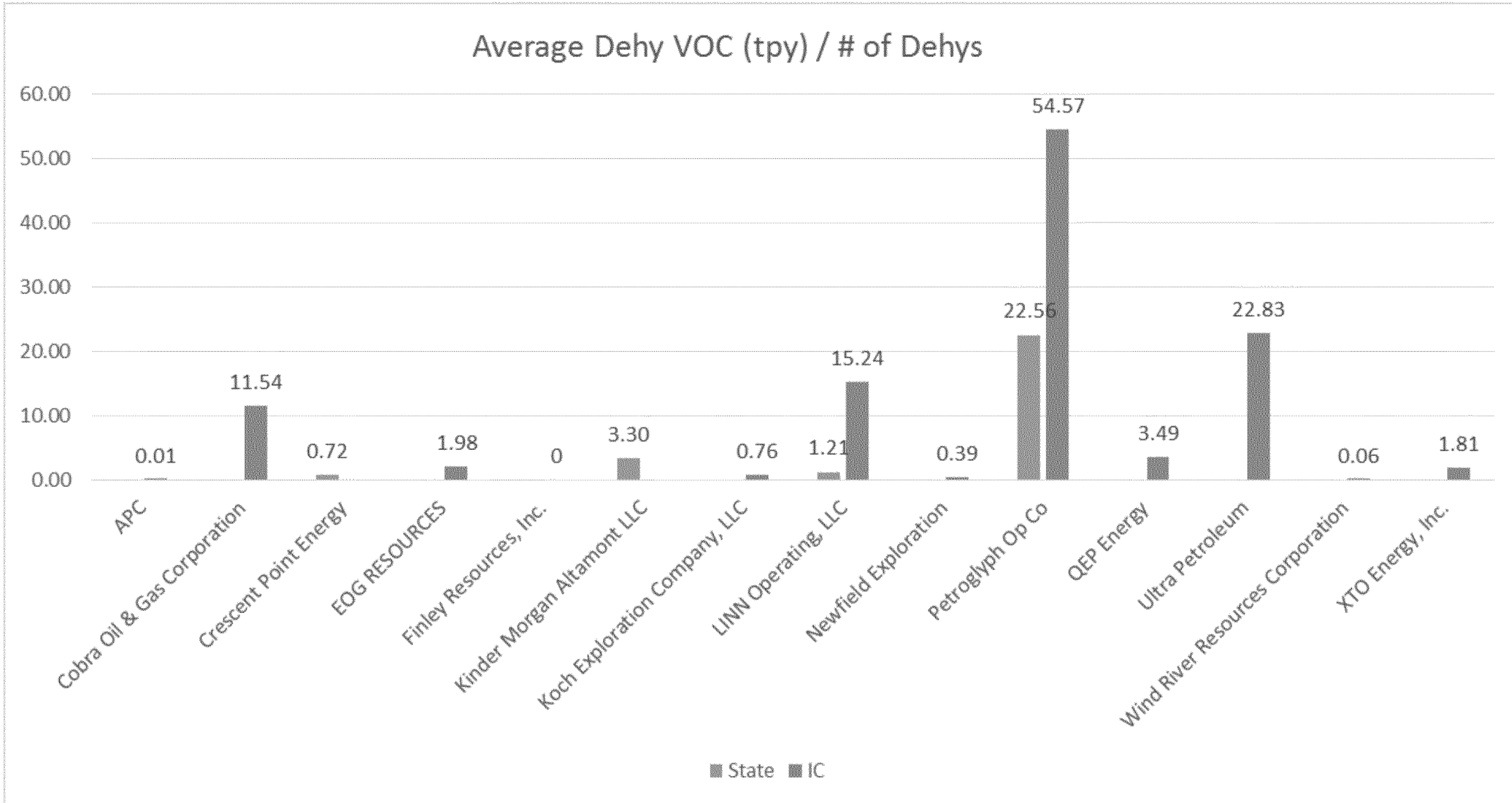
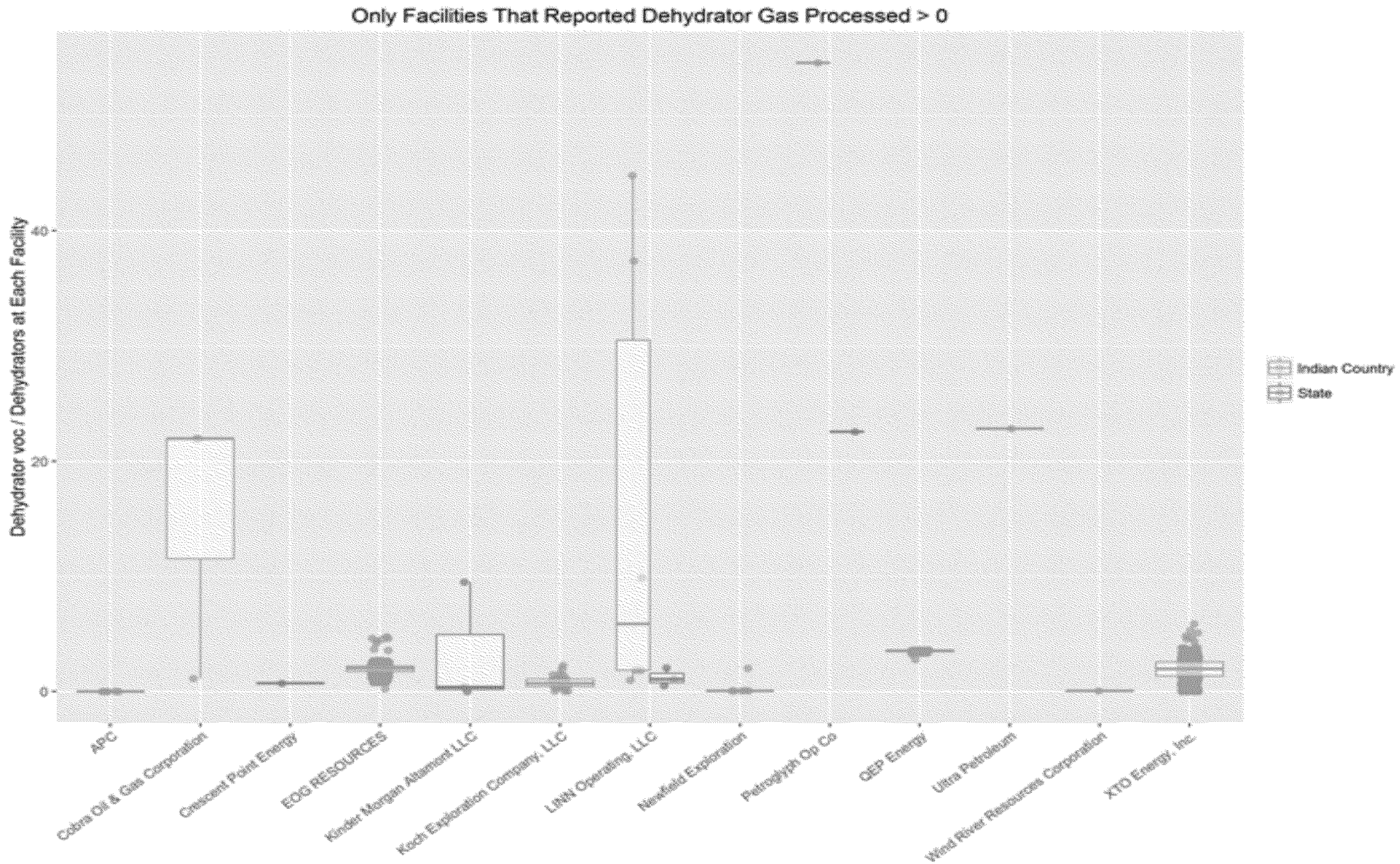
EI Data – Dehydrator Counts



EI Data – Dehydrator Counts



EI Data – Dehydrator VOC (tpy)



EI Data – Dehydrator VOC (tpy)