

2024 Eocene- UW Stevens Point Utility Vegetation Management Survey

Preliminary Results

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Eocene Environmental Group
September 11, 2024



What Do You Have That He Doesn't?

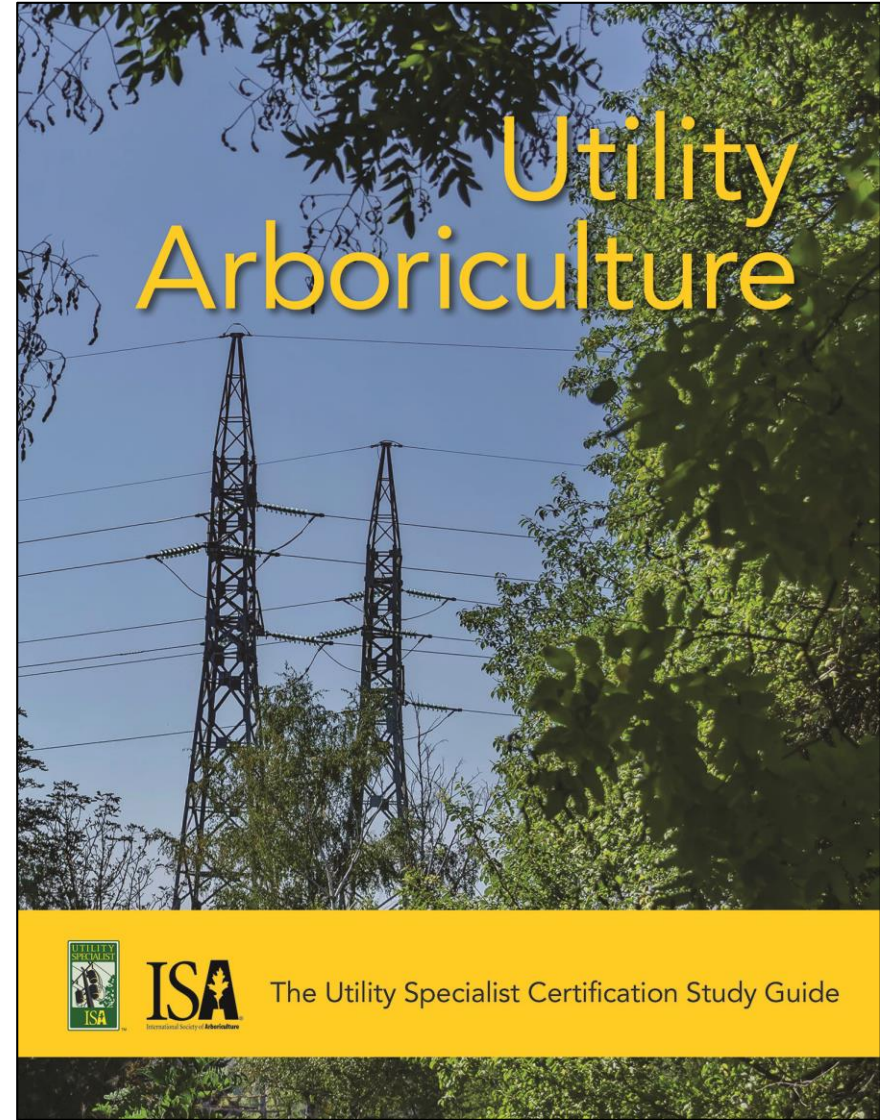




2024 Tour des Trees

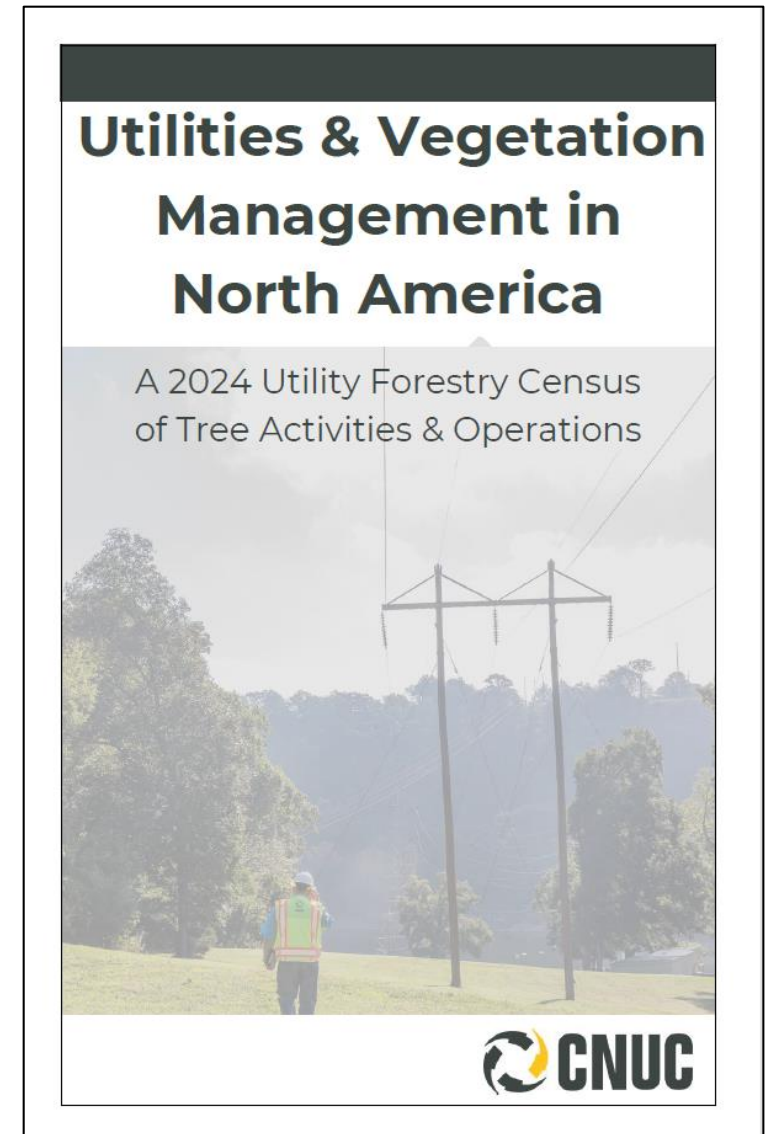
New England
September 22-28, 2024





STUDY OBJECTIVES

- Describe survey design & methods
- Characterize participating utilities
- Summarize survey results for:
 - **Company Profile**
 - **System Profile**
 - **Personnel & Wages**
 - **Budgets**
 - **Program Attributes**
 - **Utility Forest Attributes**
 - **Chemical Program**
 - **ESG**



OVERVIEW

	<u>2019</u>	<u>2024</u>
• Respondents	71	29
• Customers	52m	13.7m
• Miles Dist.	1.1m	239k
• Miles Subtrans	108k	43k
• Miles Trans	68k	34k



COMPANY PROFILE

- **Number of Customers**

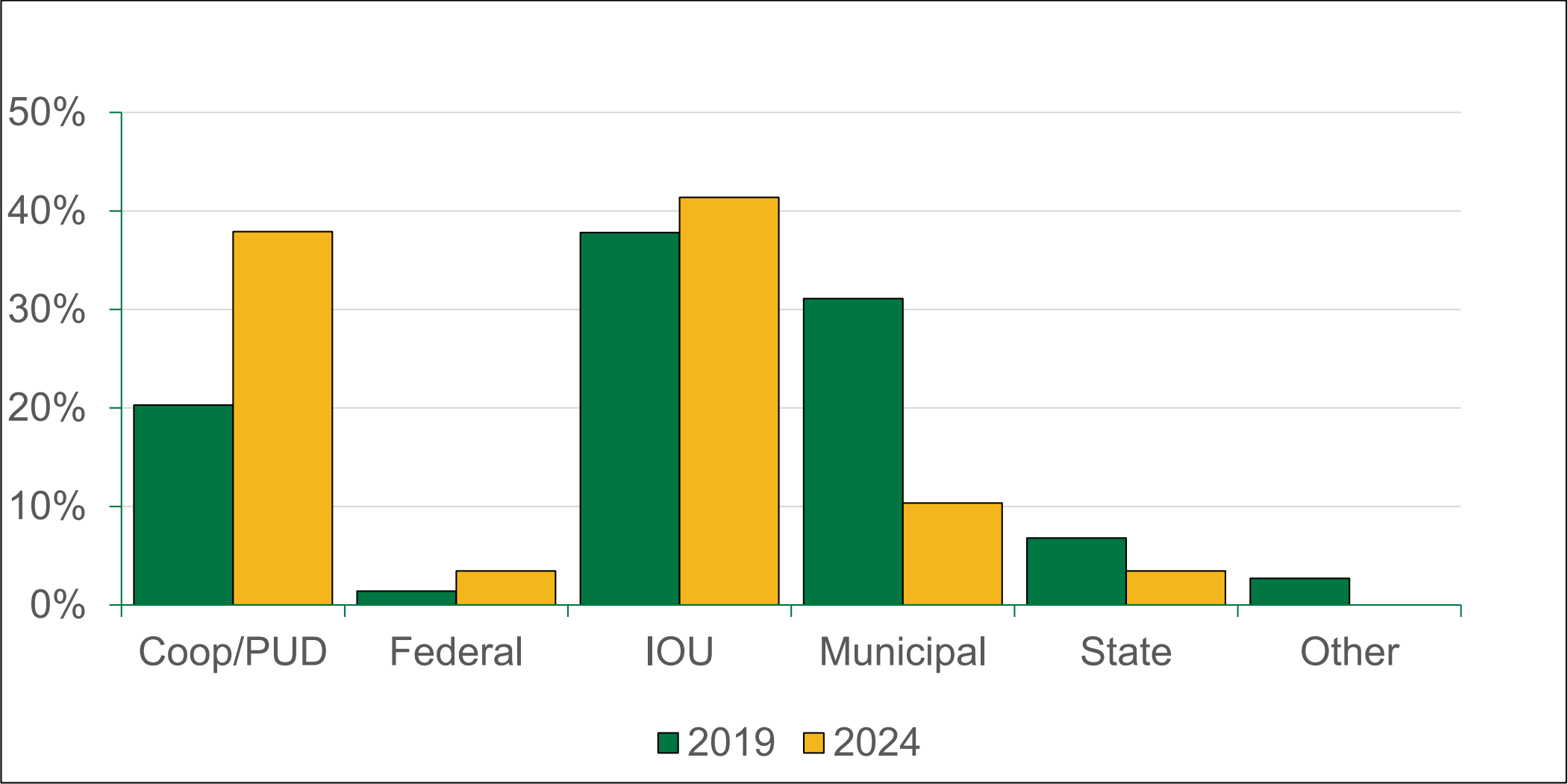
- 2020: 756,000 (SE 162,725)
- 2024: 467,078 (SE 160,429)

- **Average miles of line**

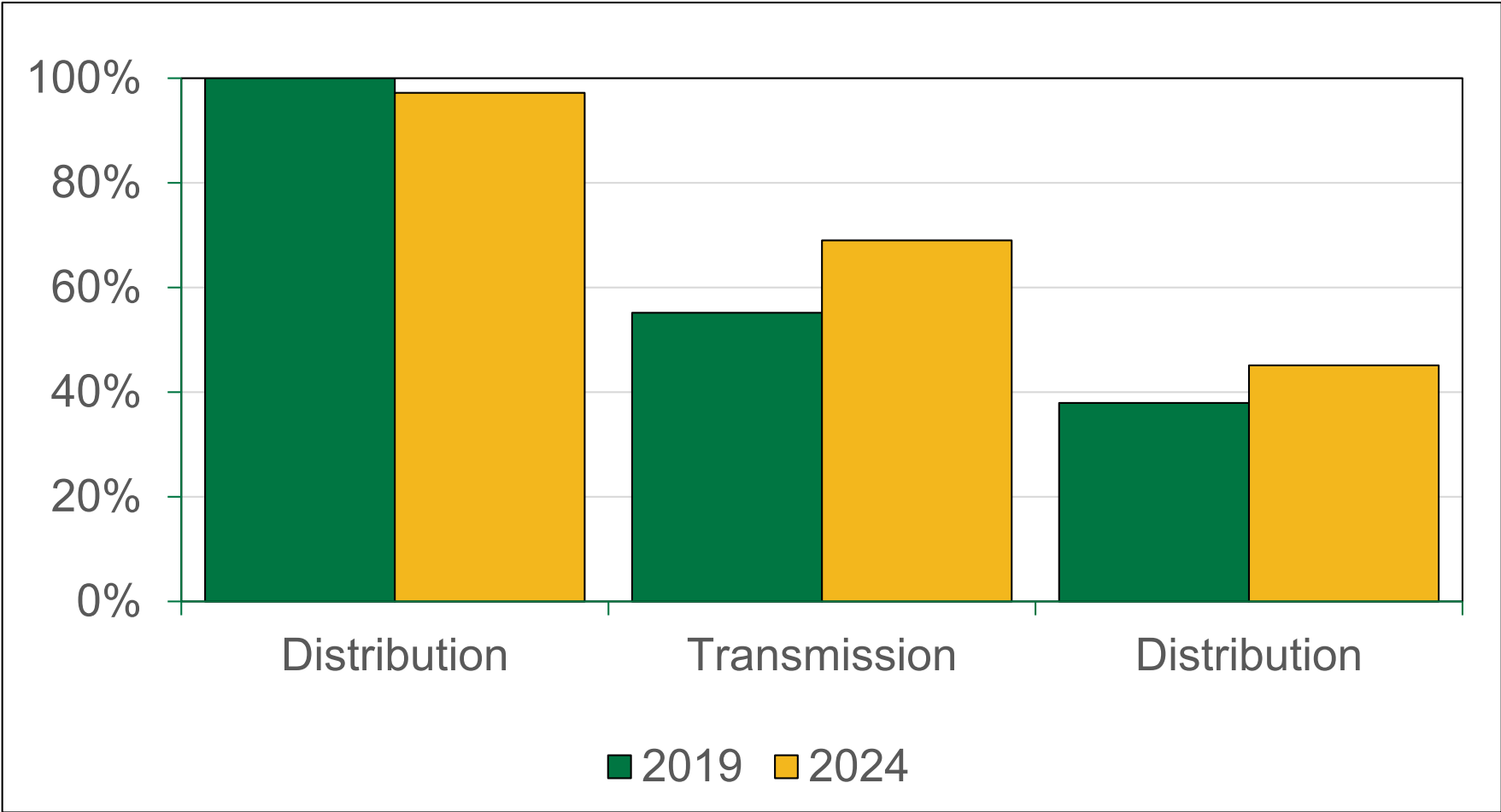
	<u>2019</u>	<u>2024</u>
Distribution:	16,759 (SE 3,563)	10,433 (SE 1,873)
Subtransmission:	1,963 (SE 407)	2,270 (SE 408)
Transmission:	3,042 (SE 977)	2,620 (SE 470)



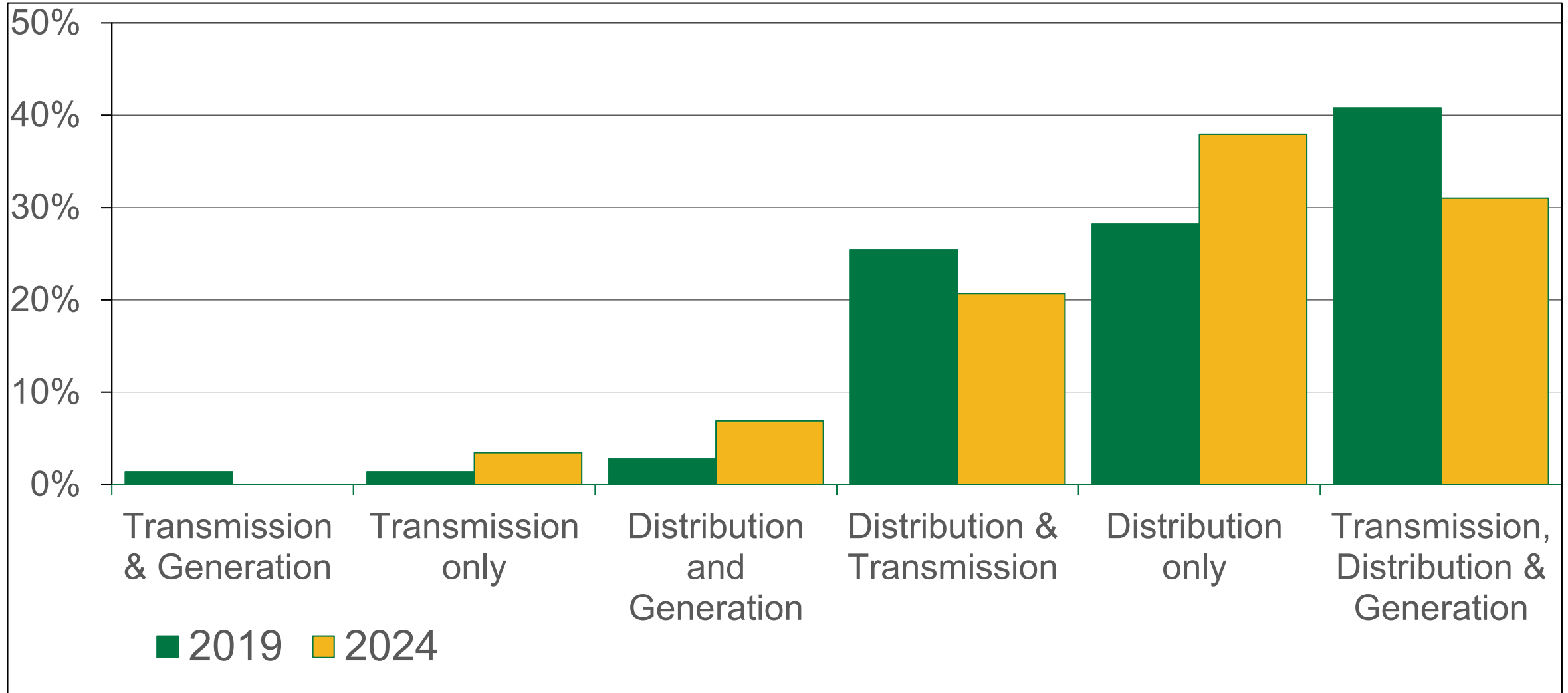
UTILITY OWNERSHIP



BUSINESS TYPE



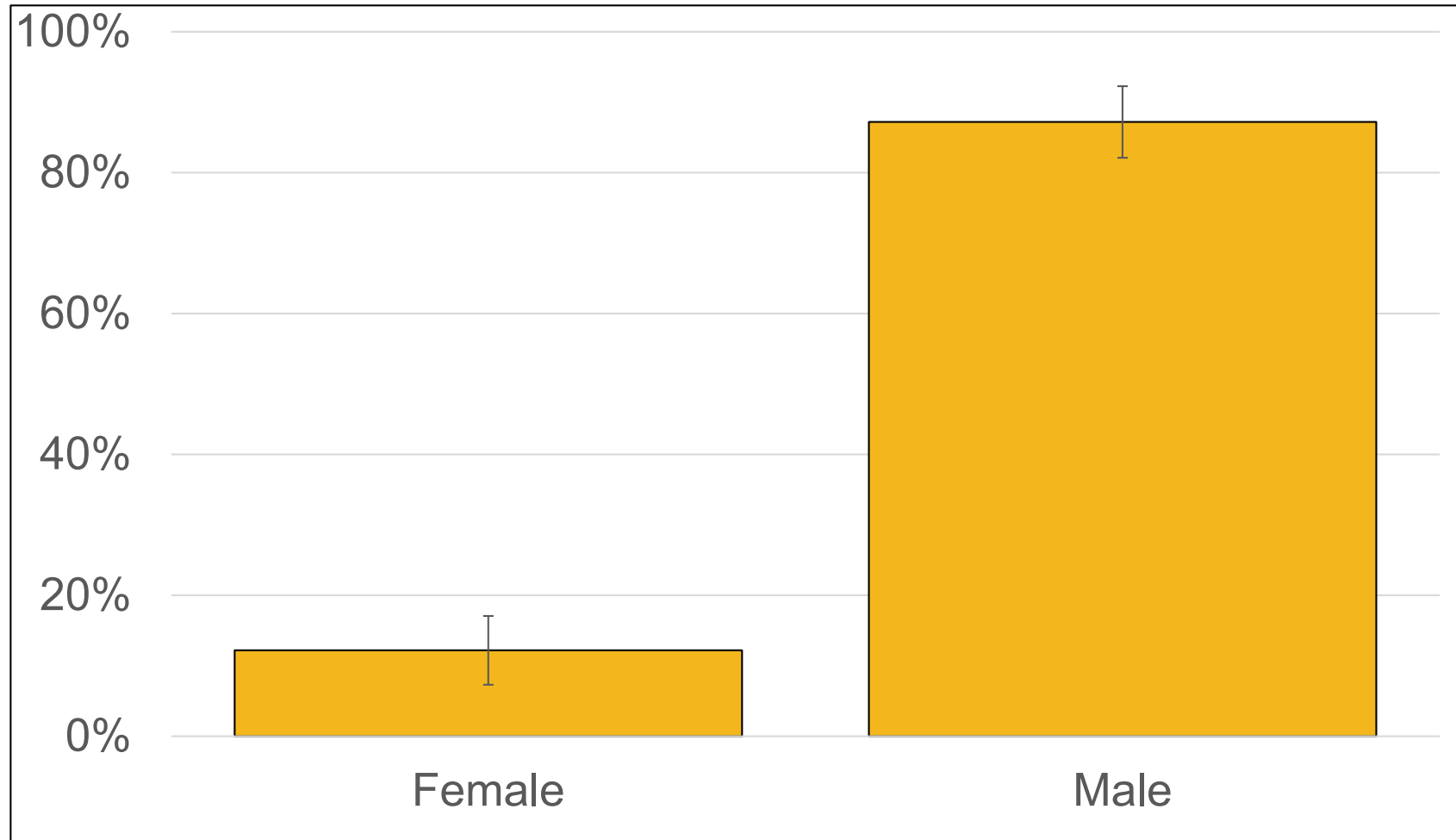
UTILITY SERVICES



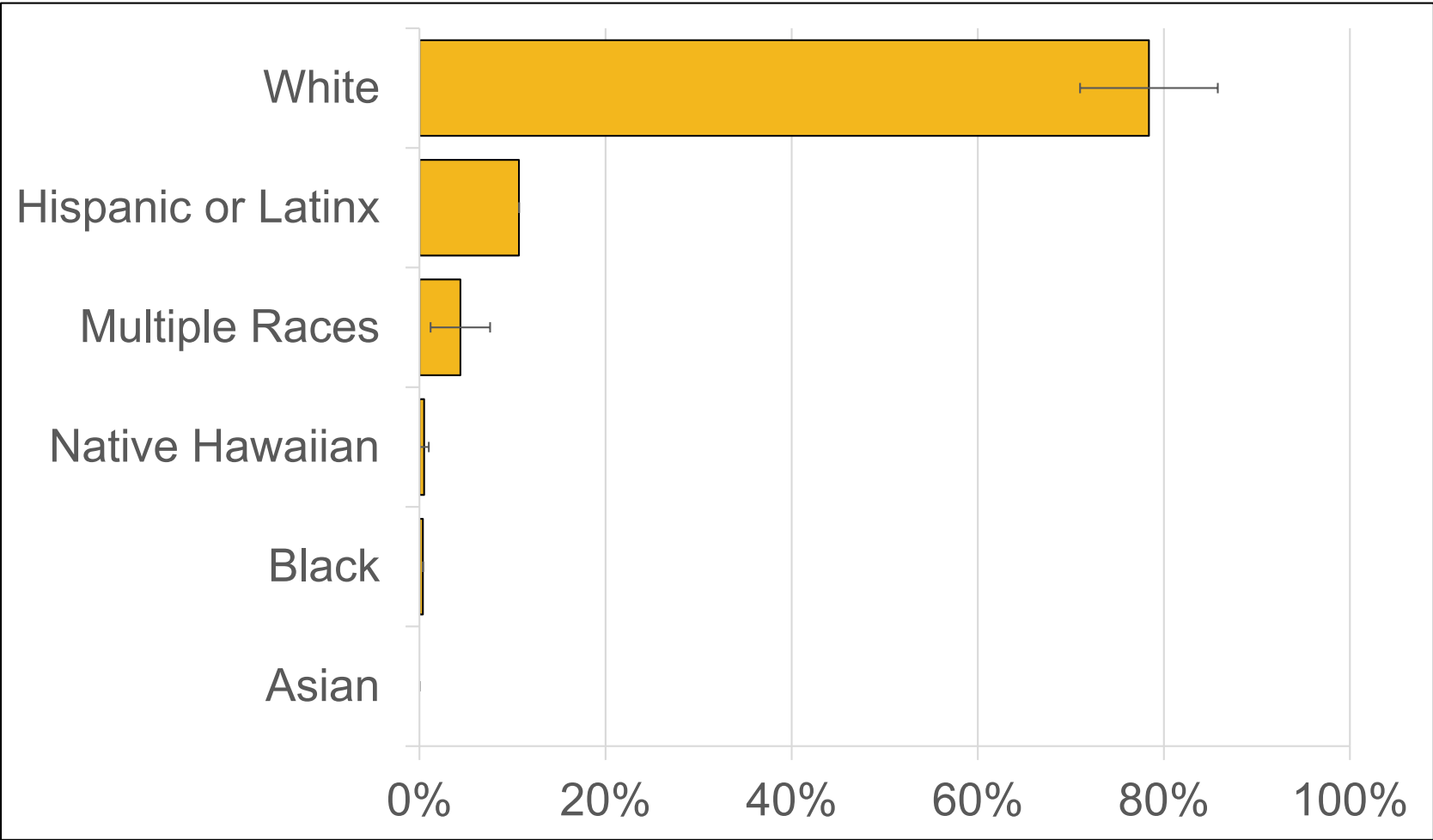
COMPANY PERSONNEL



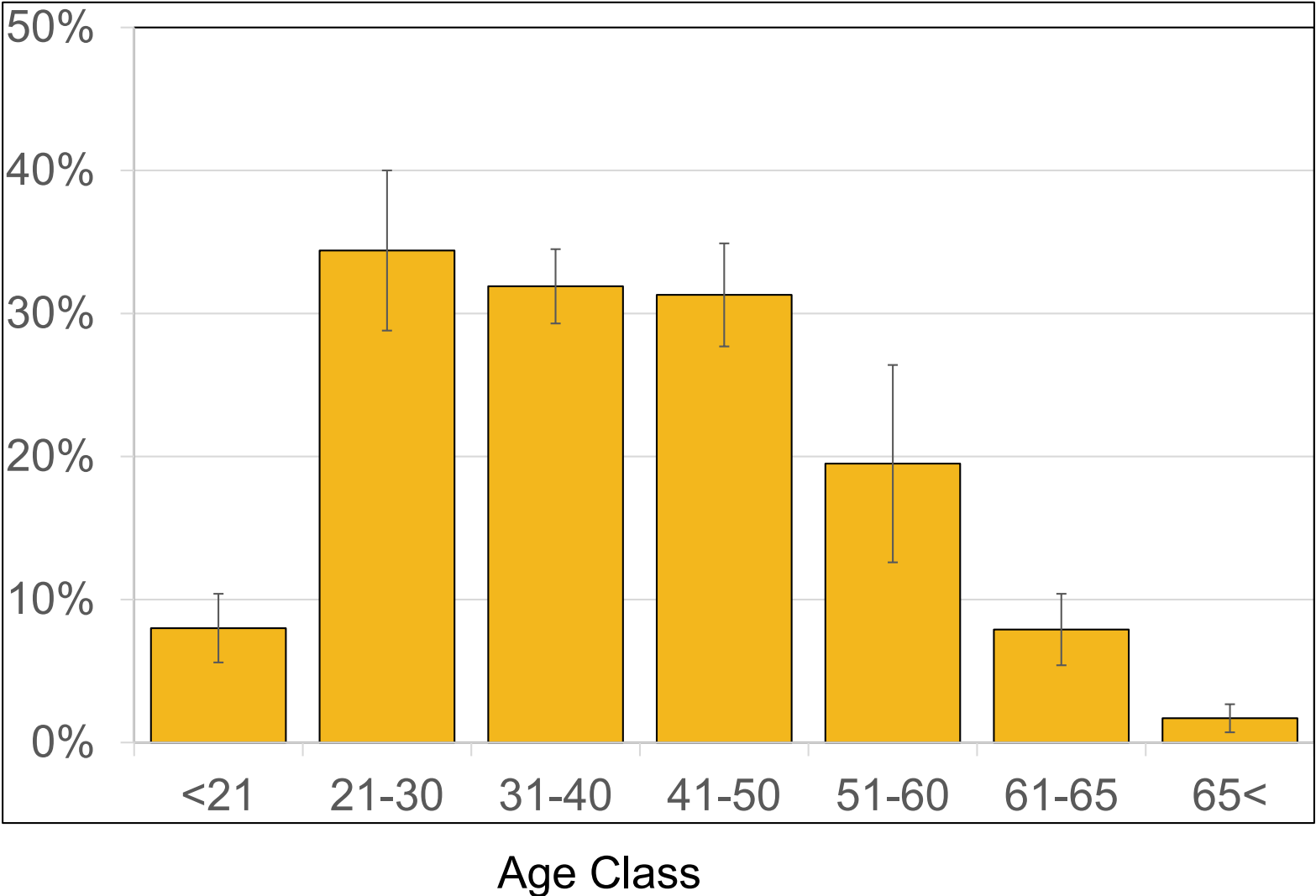
GENDER



ETHNICITY



AGE DISTRIBUTION

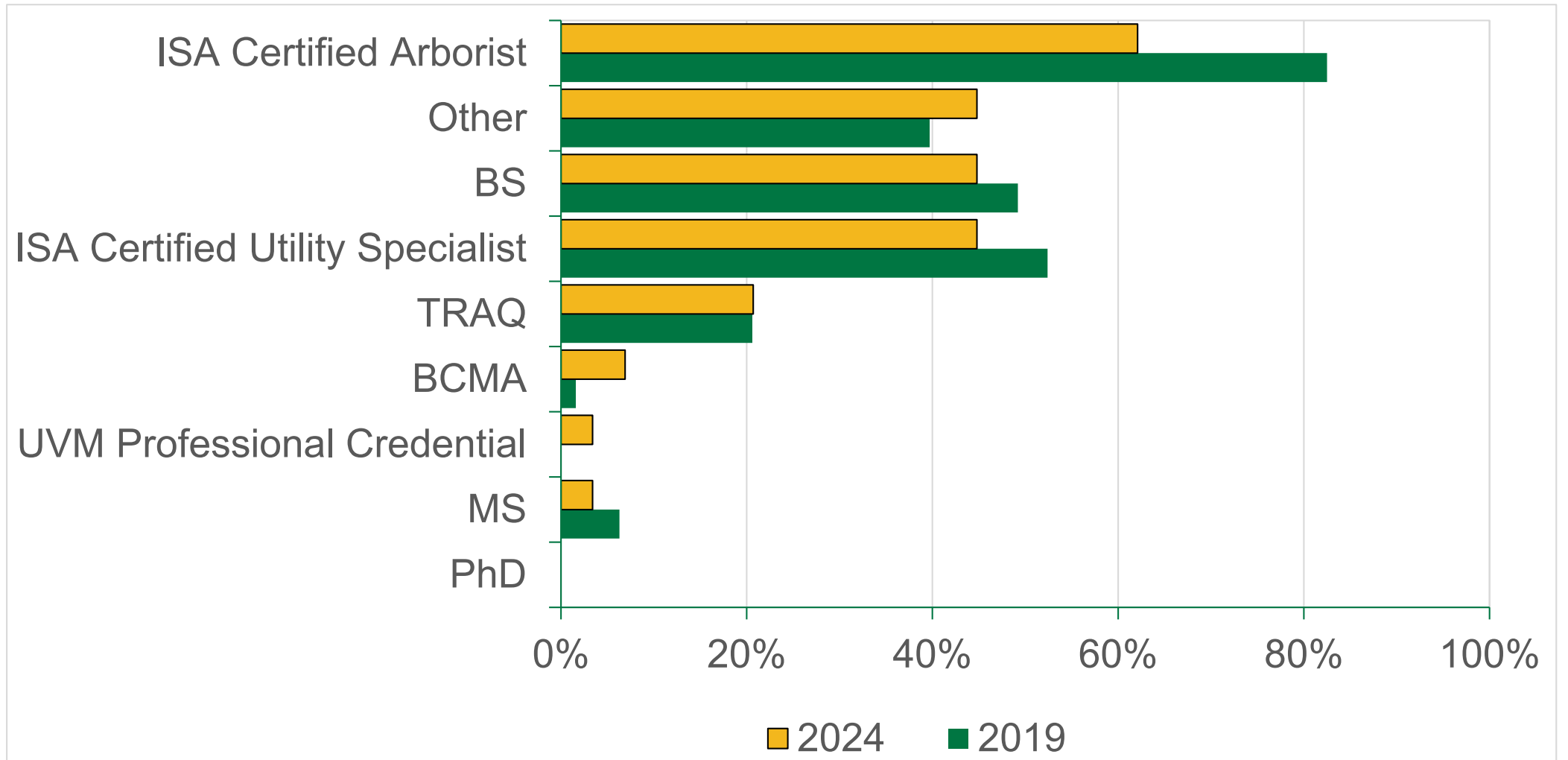


PAY AND UVM POSITION

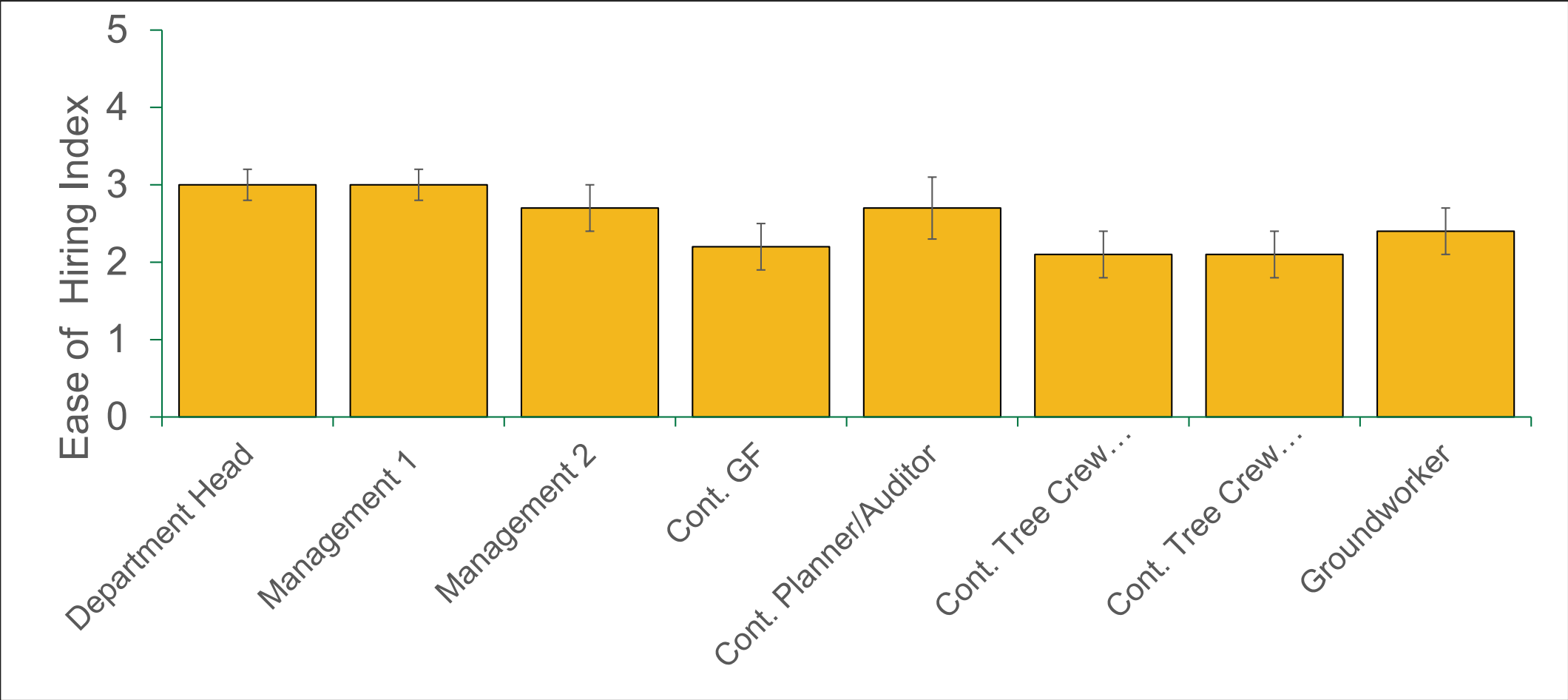
Position Category	2019			2023		
	Pay Level	SE	N Size	Pay Level	SE	N Size
UVM Department Head	\$143,034	\$6,717	37	\$124,352	\$5,518	18
UVM Manager ^a	\$106,859	\$4,124	36	\$103,849	\$15,927	13
UVM Supervisor ^b	\$88,330	\$4,744	25	\$93,920	\$2,267	5

a=1 level below department head. b=2 levels below department head

DEPARTMENT HEAD CREDENTIALS



DIFFICULTY FILLING POSITIONS



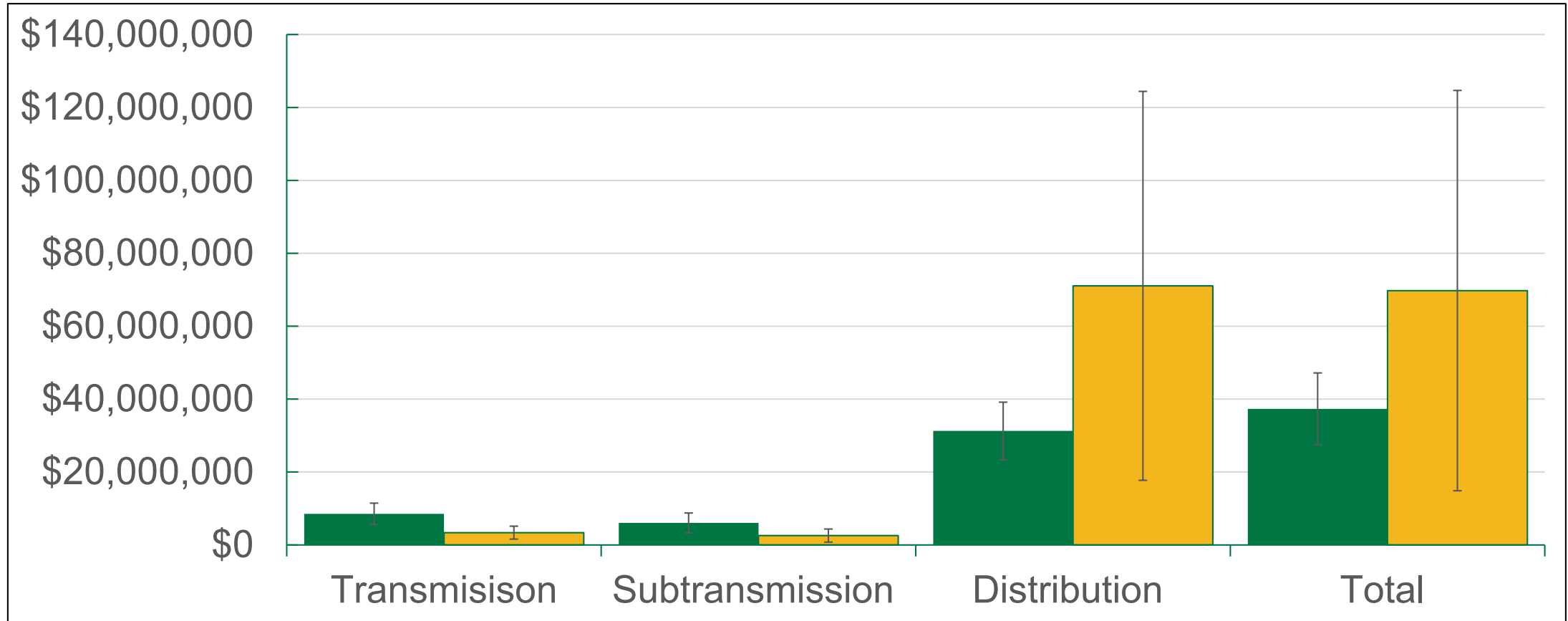
5=Very Easy

1=Very Difficult

PROGRAM MANAGEMENT



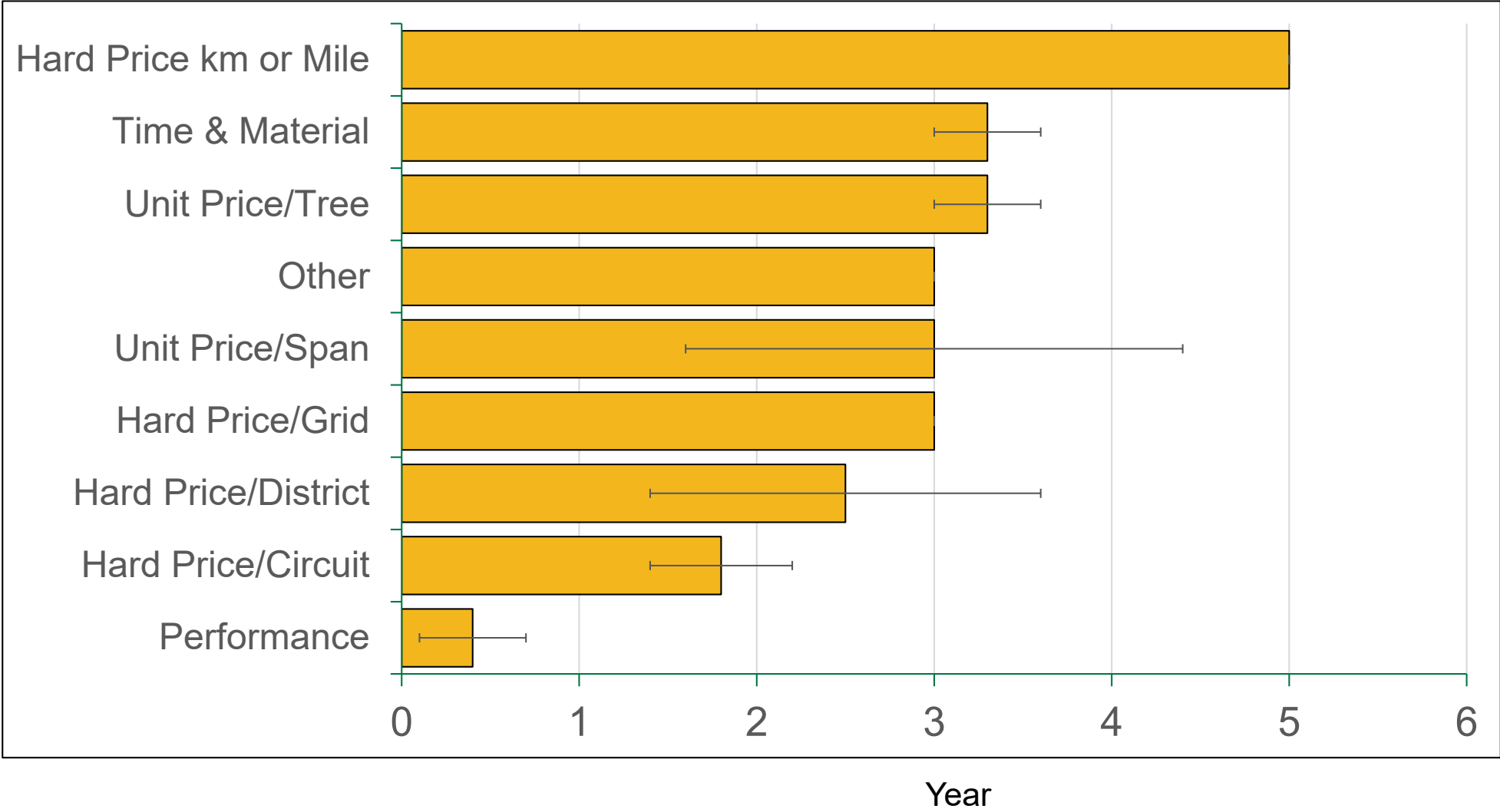
UVM BUDGET



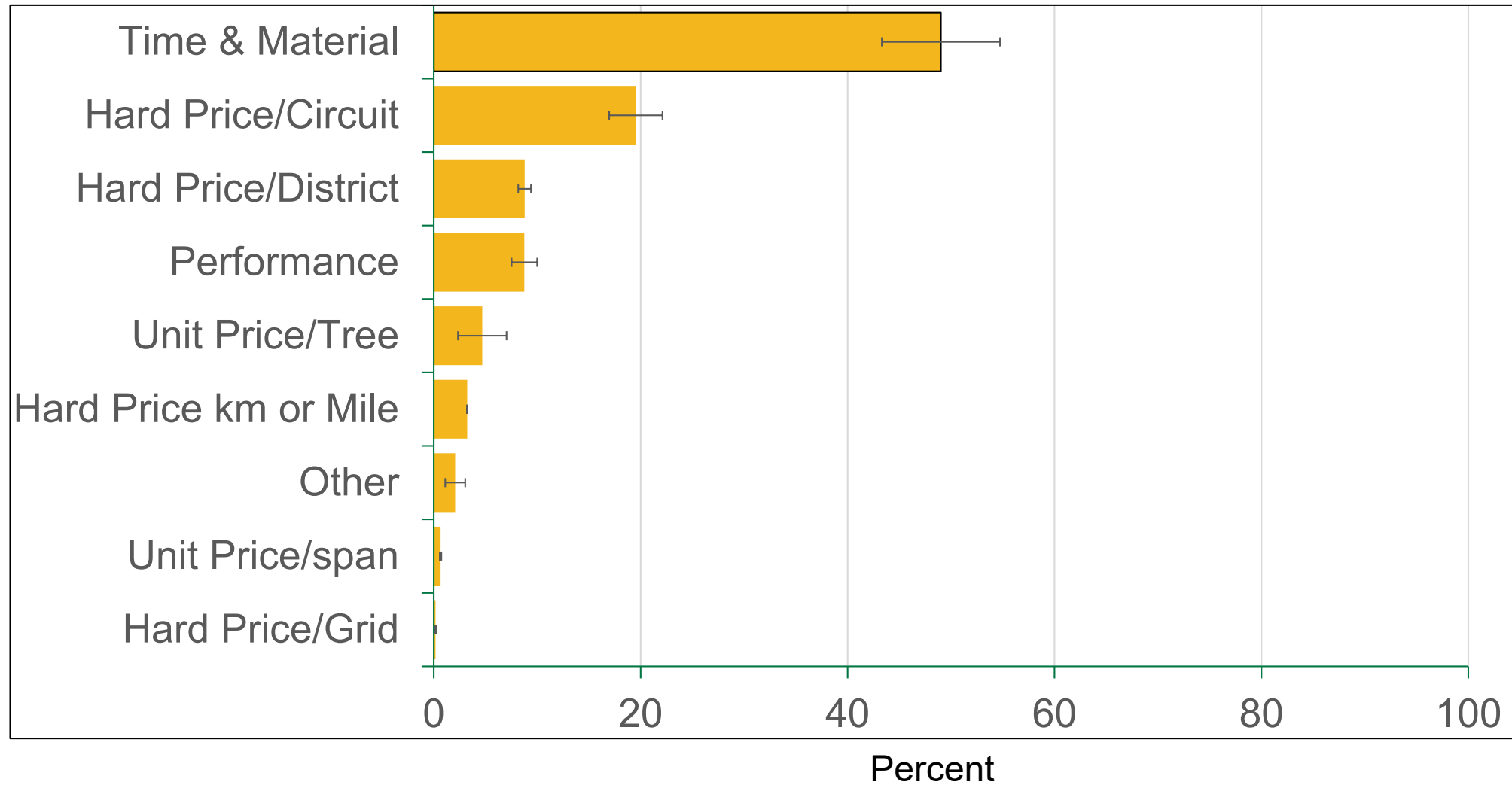
■ 2019 ■ 2024

04

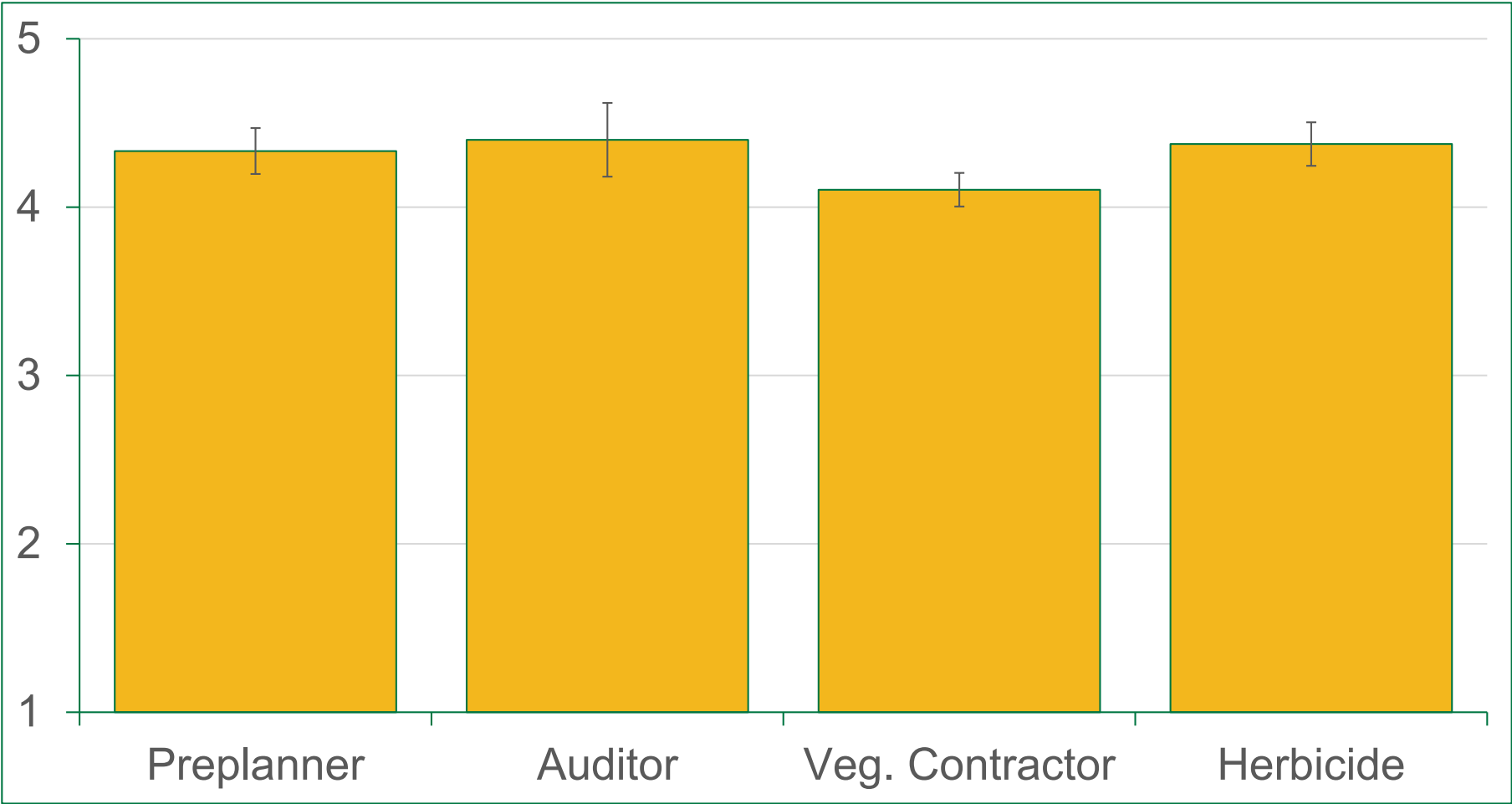
CONTRACT DURATION



CONTRACT USAGE

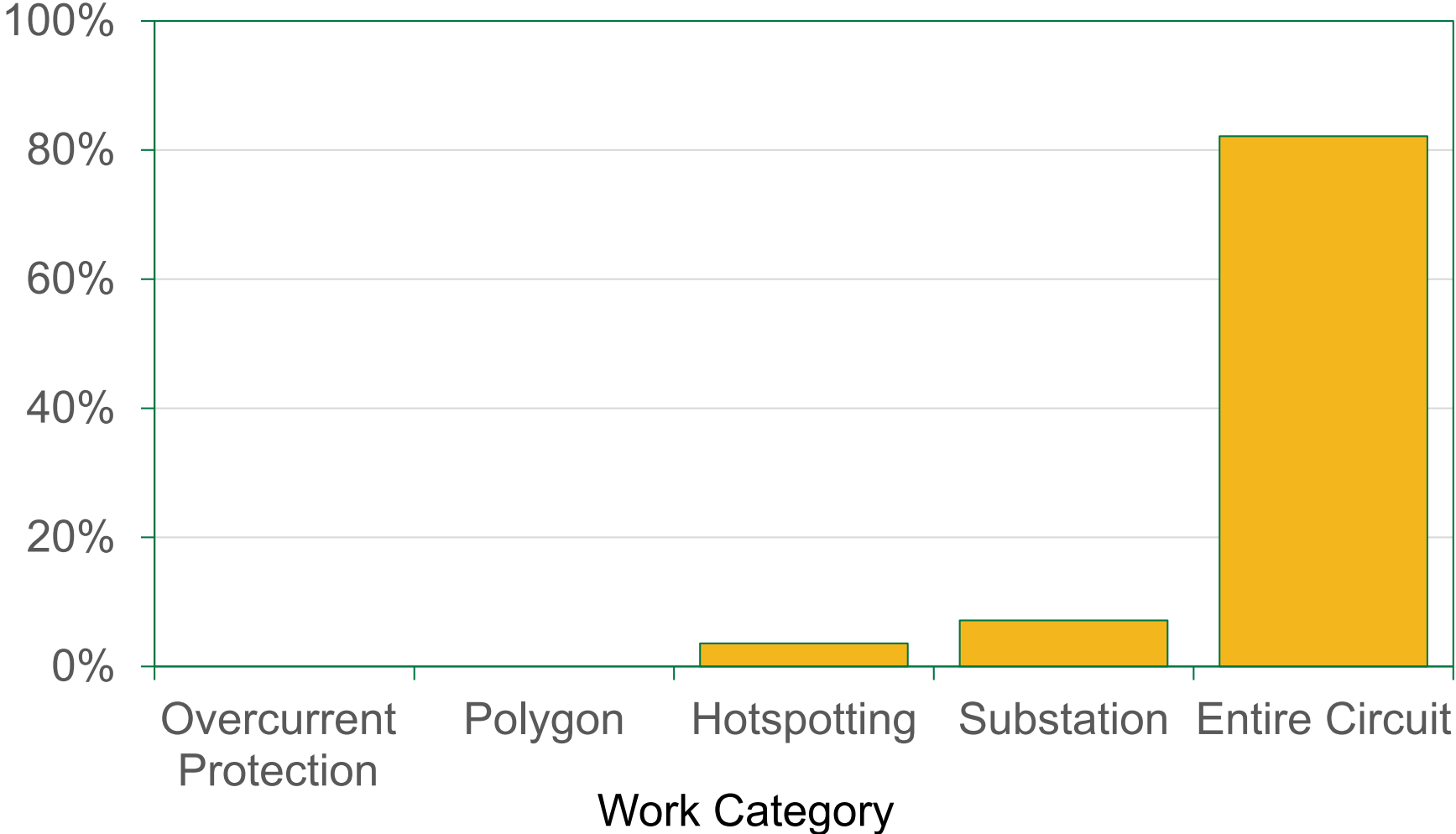


UTILITY RELATIONSHIP TO CONTRACTOR

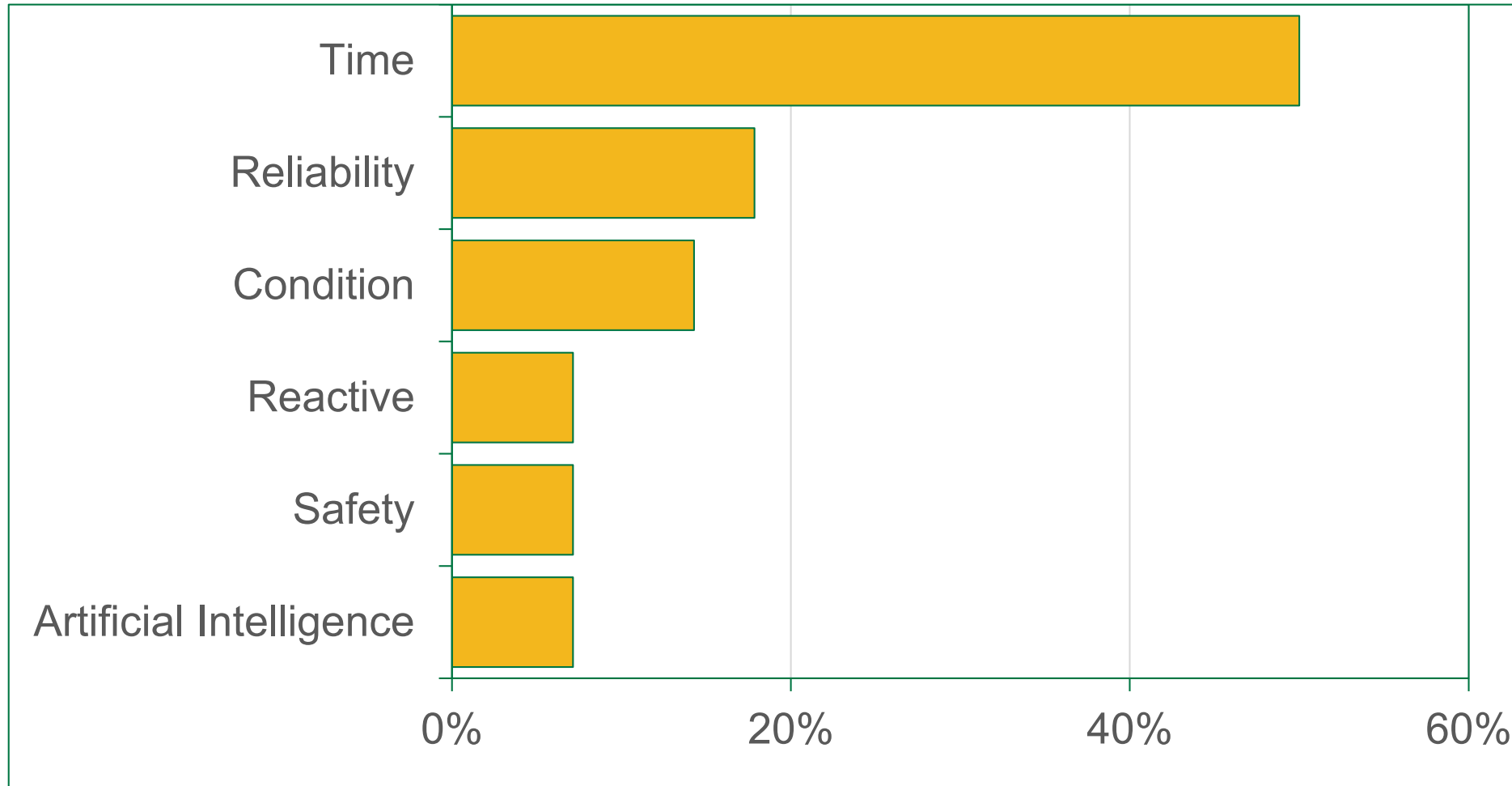


Relationship Index:
5=Excellent
1=Poor

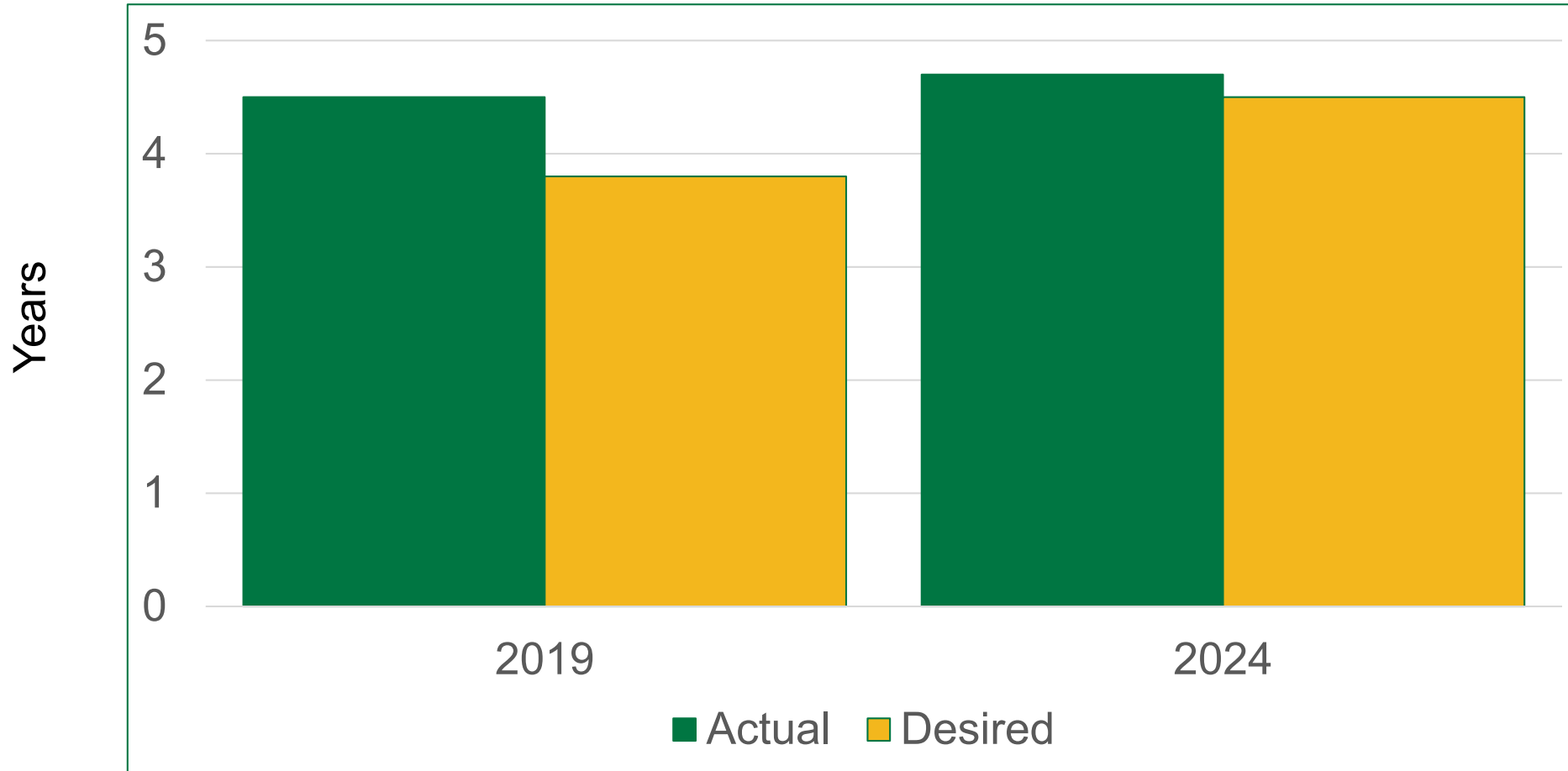
SCHEDULED WORK



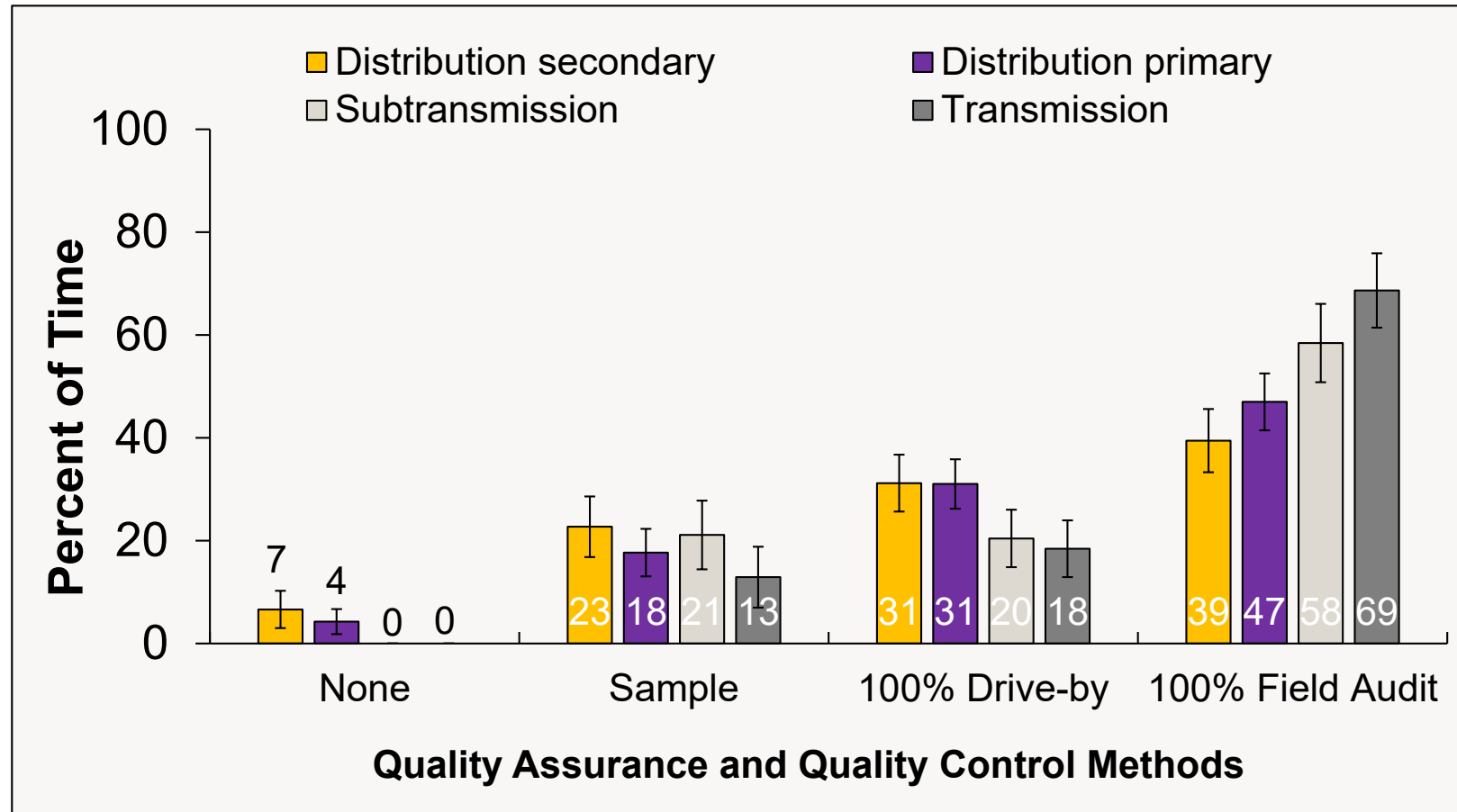
BASIS FOR SCHEDULING



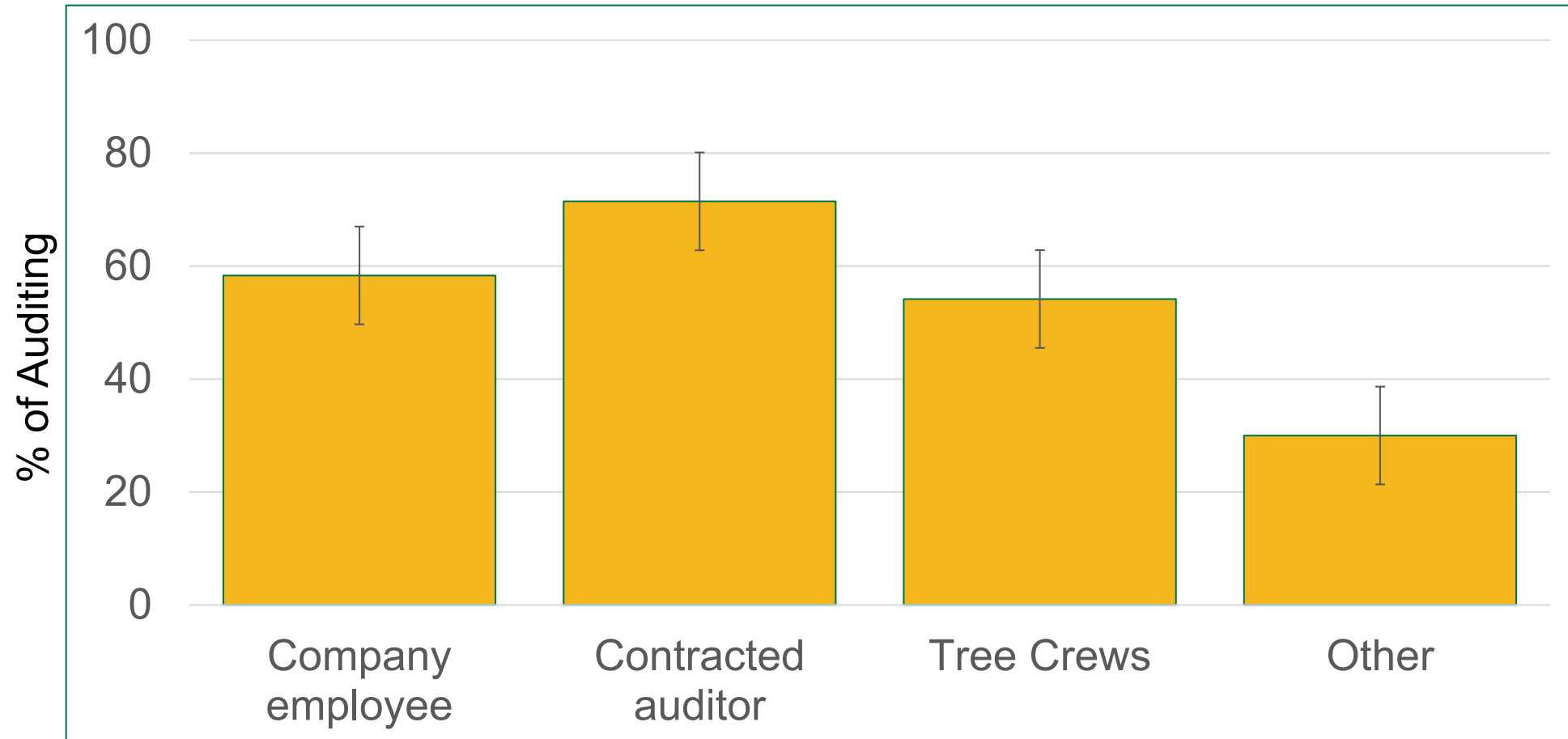
ACTUAL VS. DESIRED CYCLE



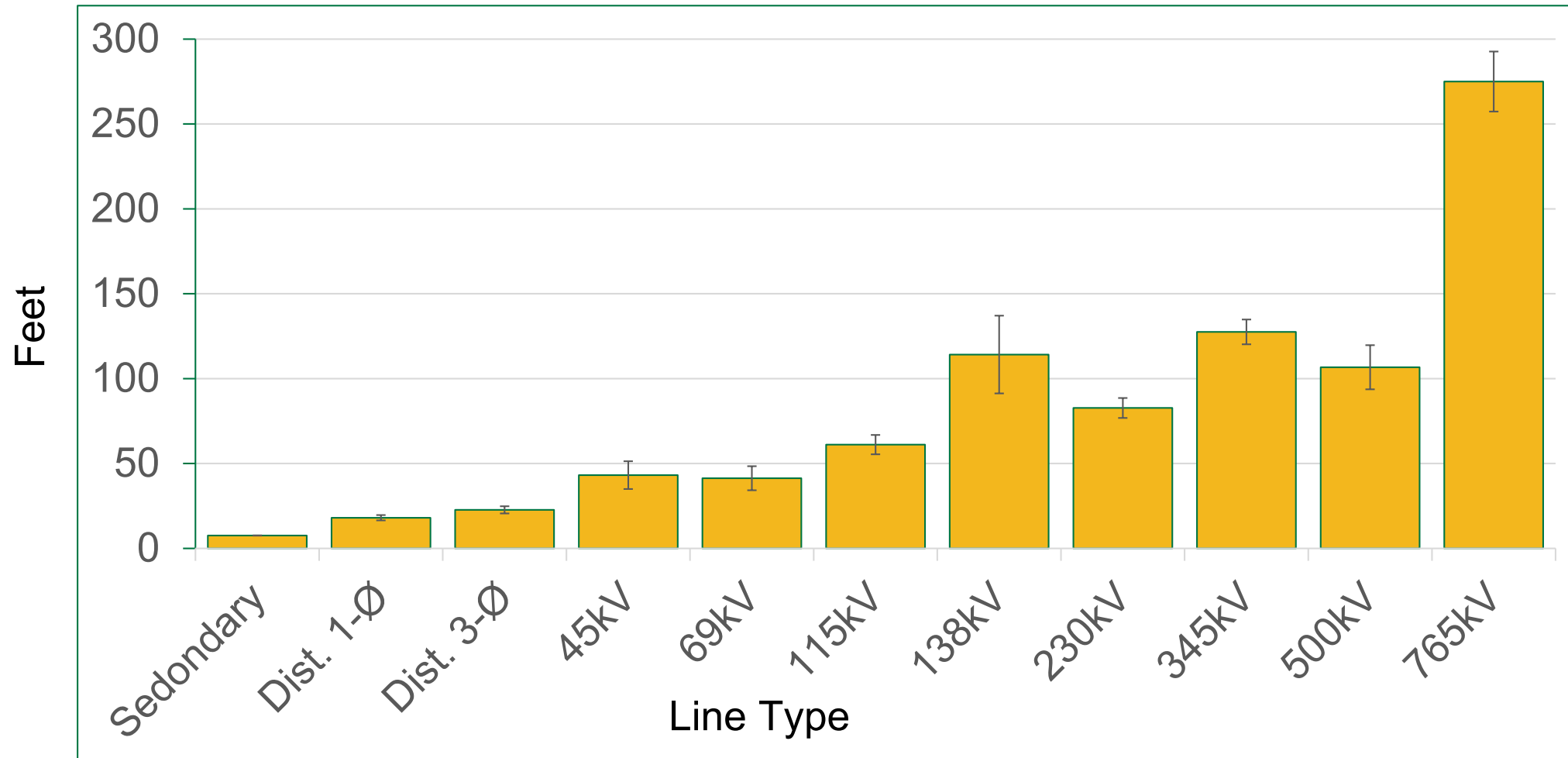
2019 QUALITY CONTROL AND ASSURANCE



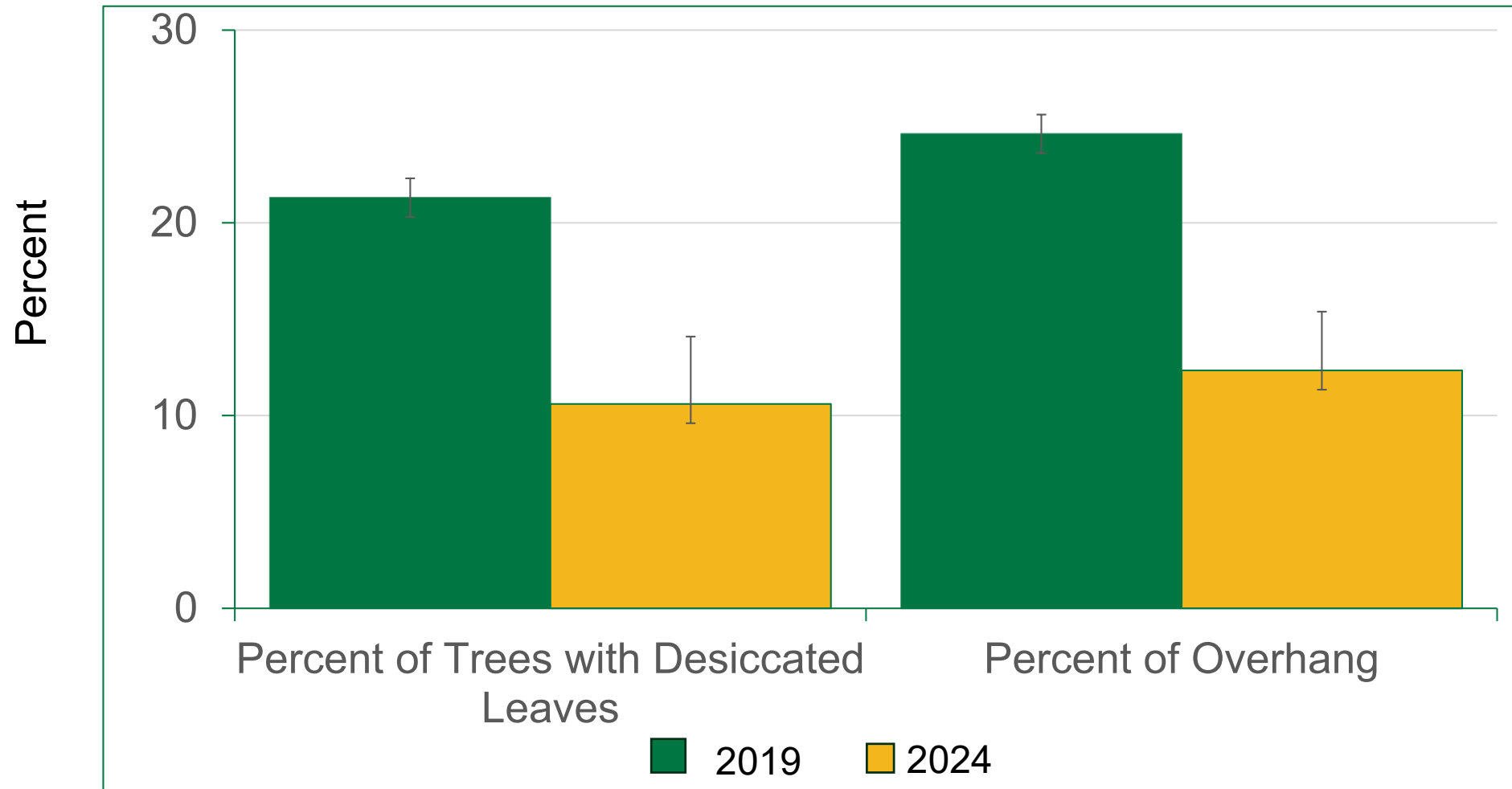
2024 QUALITY ASSURANCE & CONTROL



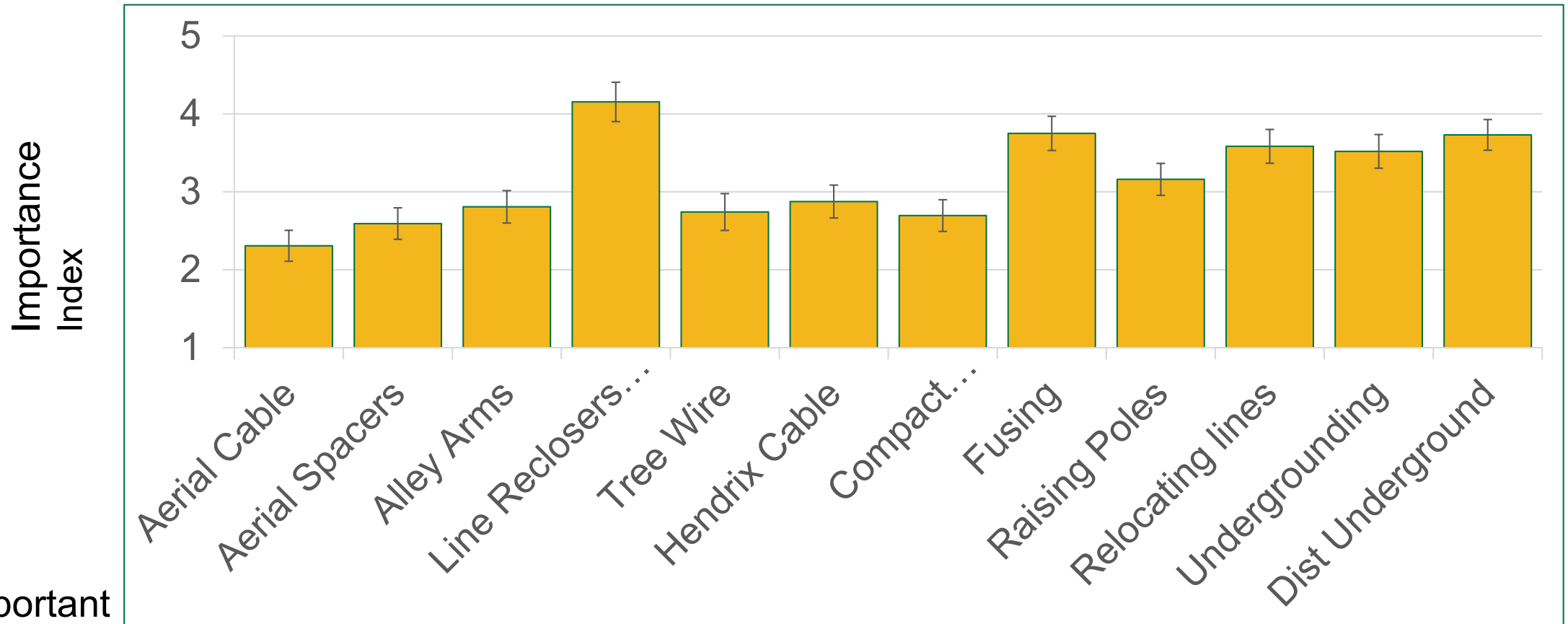
AVERAGE ROW WIDTHS



TREE POSITION AT THE TIME OF WORK

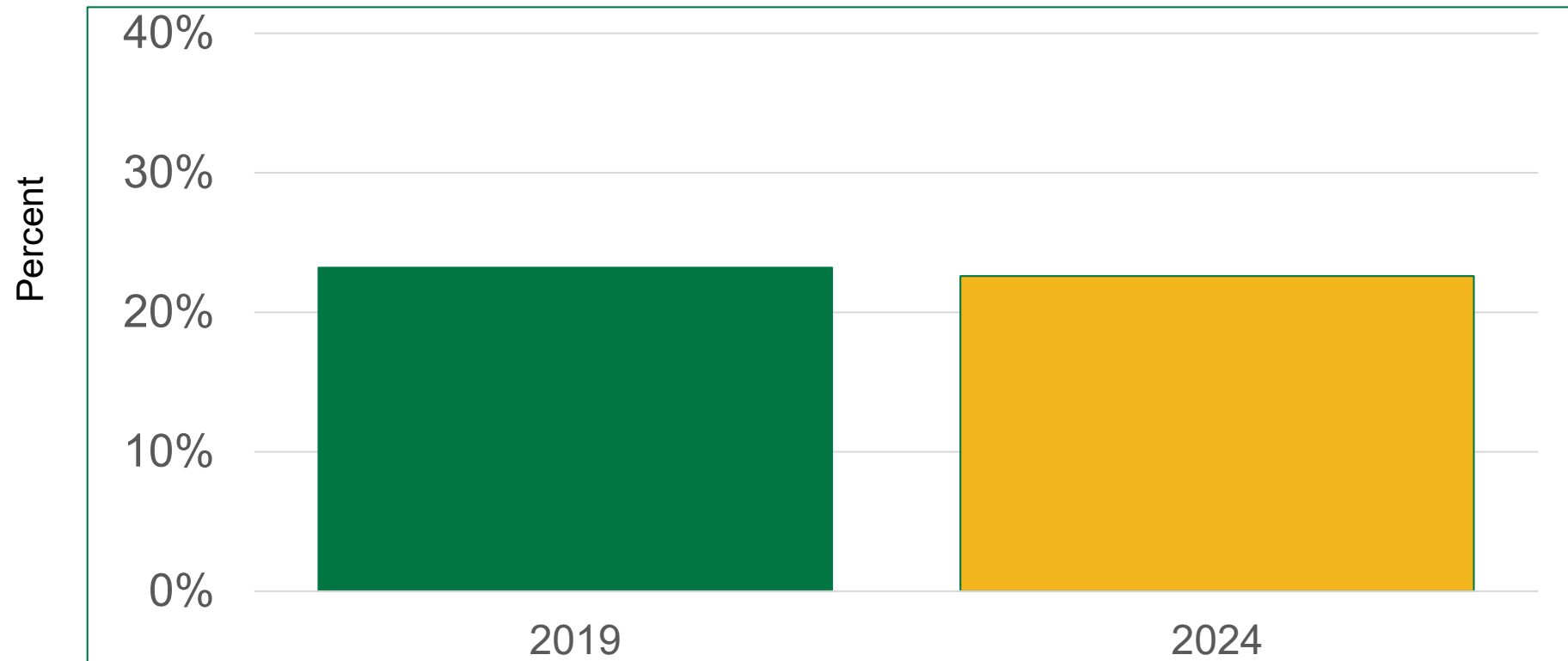


IMPORTANCE OF ENGINEERING SOLUTIONS

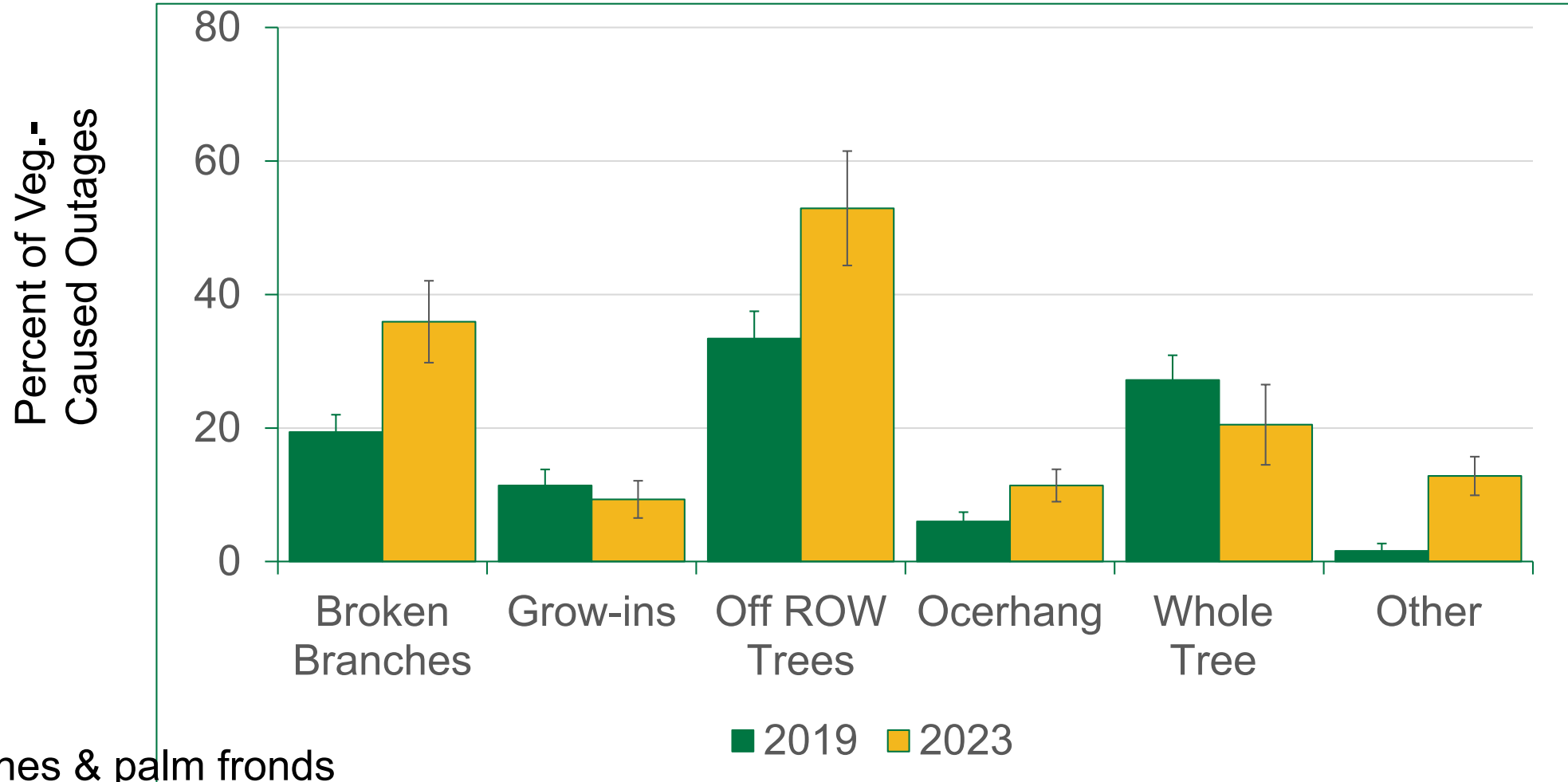


5=Very Important
1=Very Unimportant

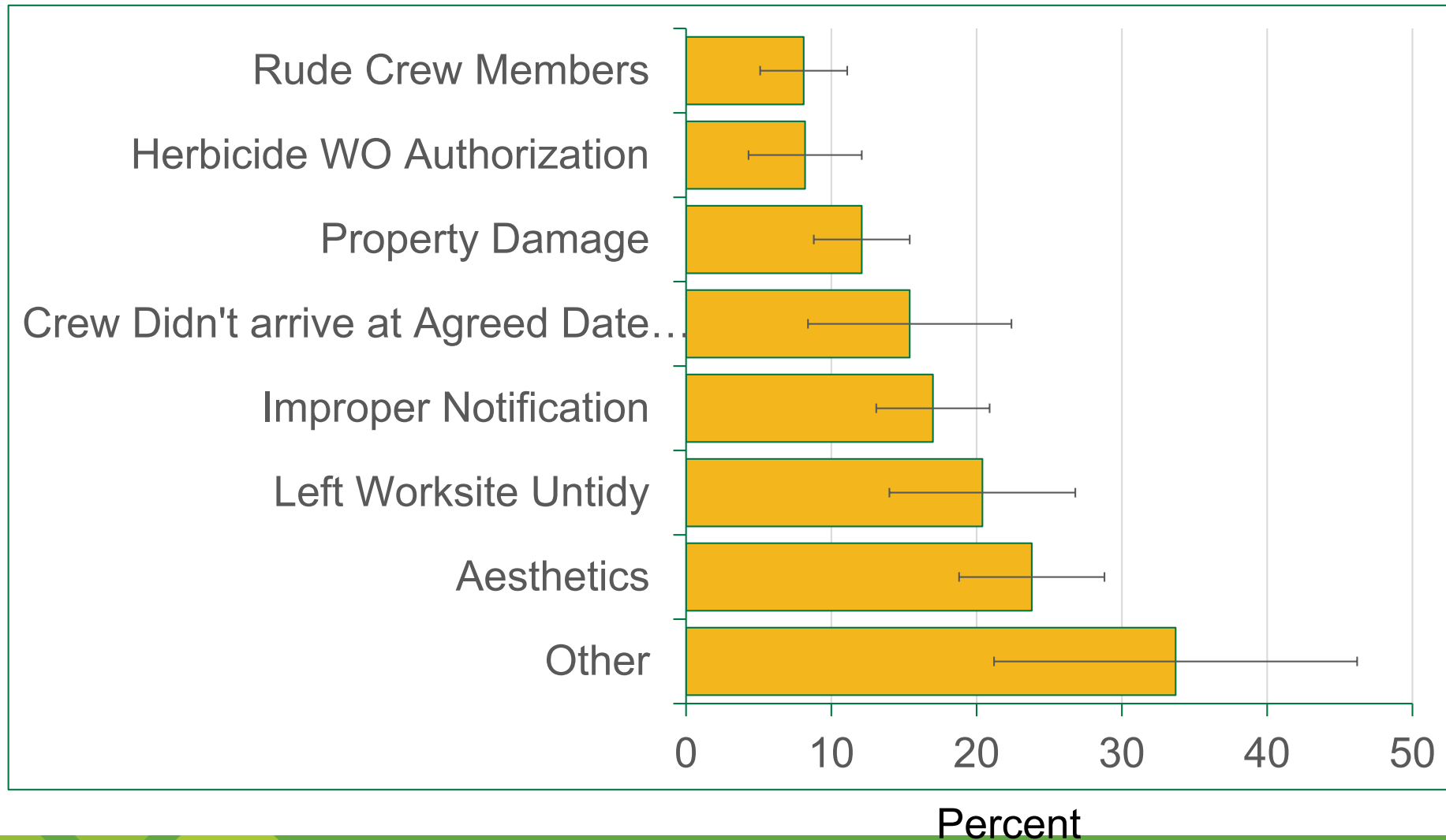
PERCENT OF DISTRIBUTION OUTAGES CAUSED BY VEGETATION



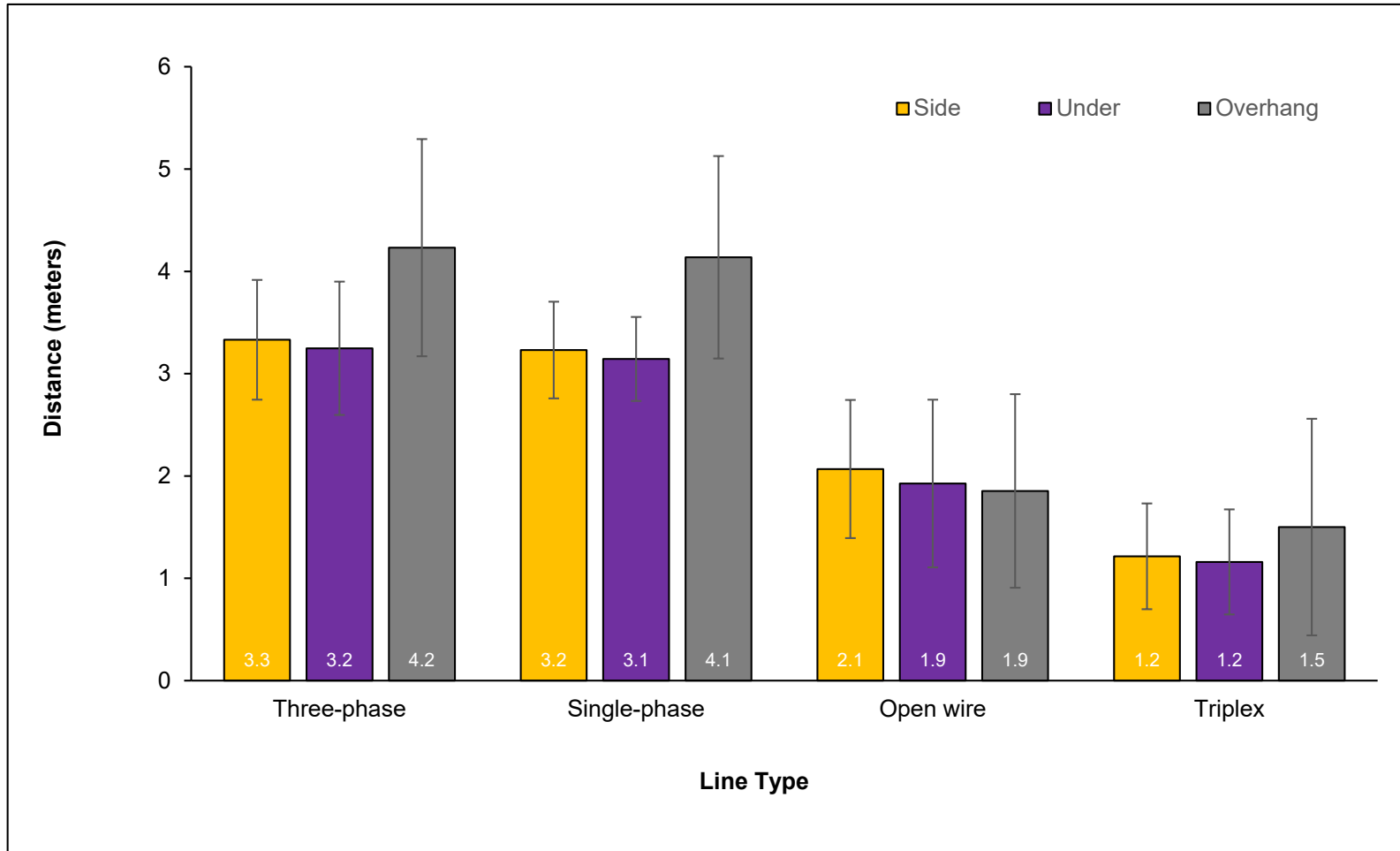
CAUSE OF VEG. OUTAGES



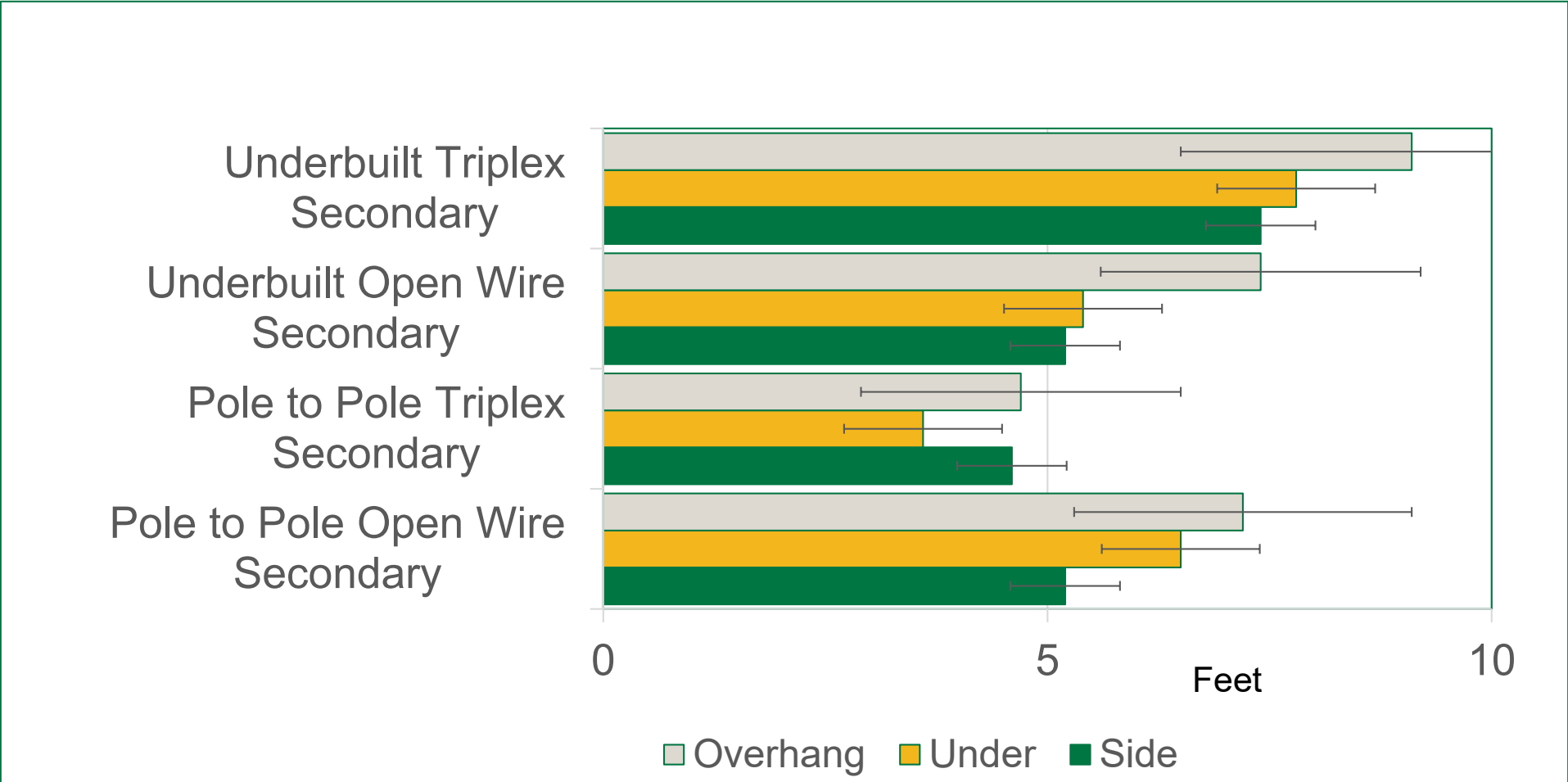
CUSTOMER COMPLAINTS



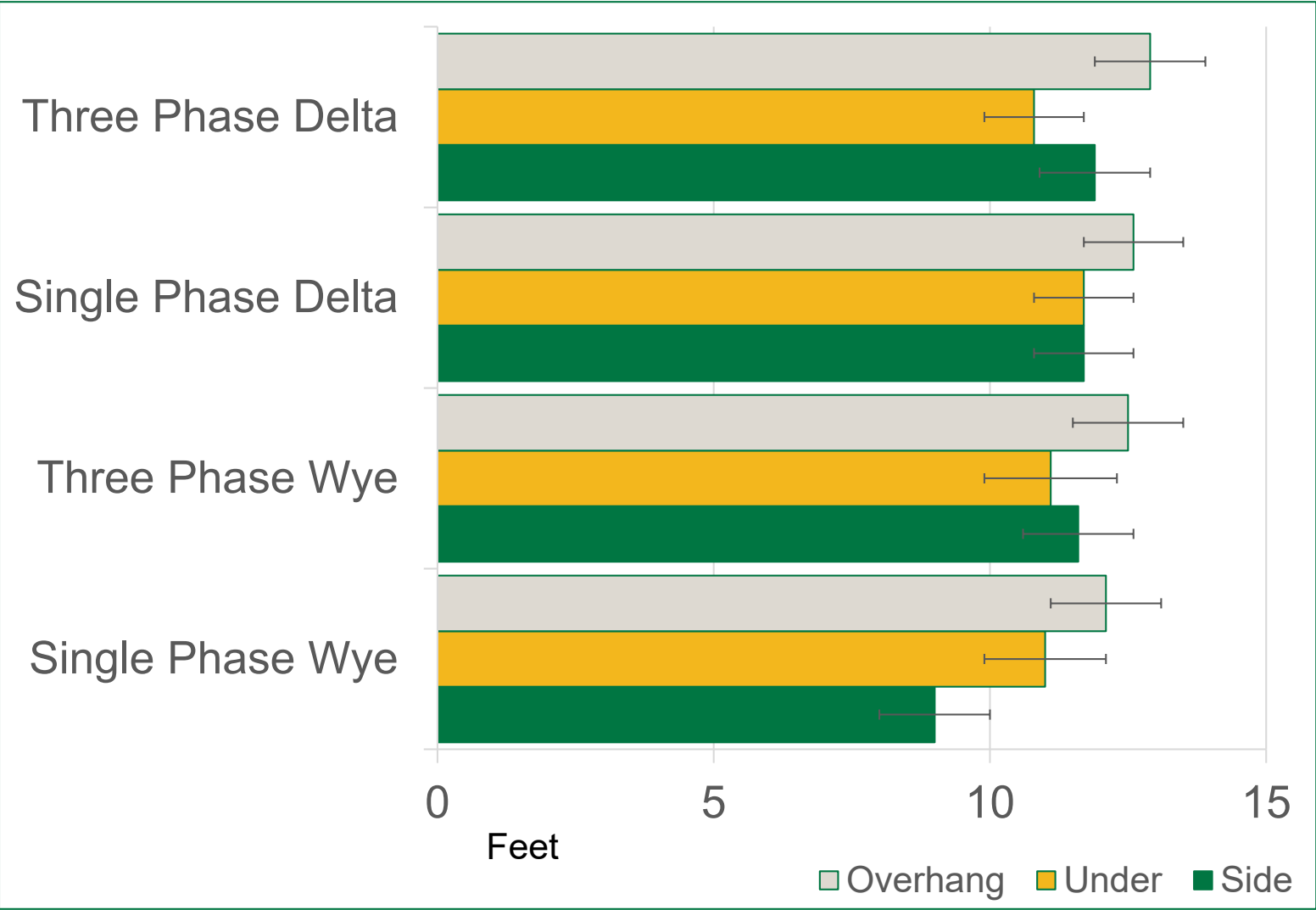
2019 PRUNING CLEARANCE (DISTRIBUTION LINES)



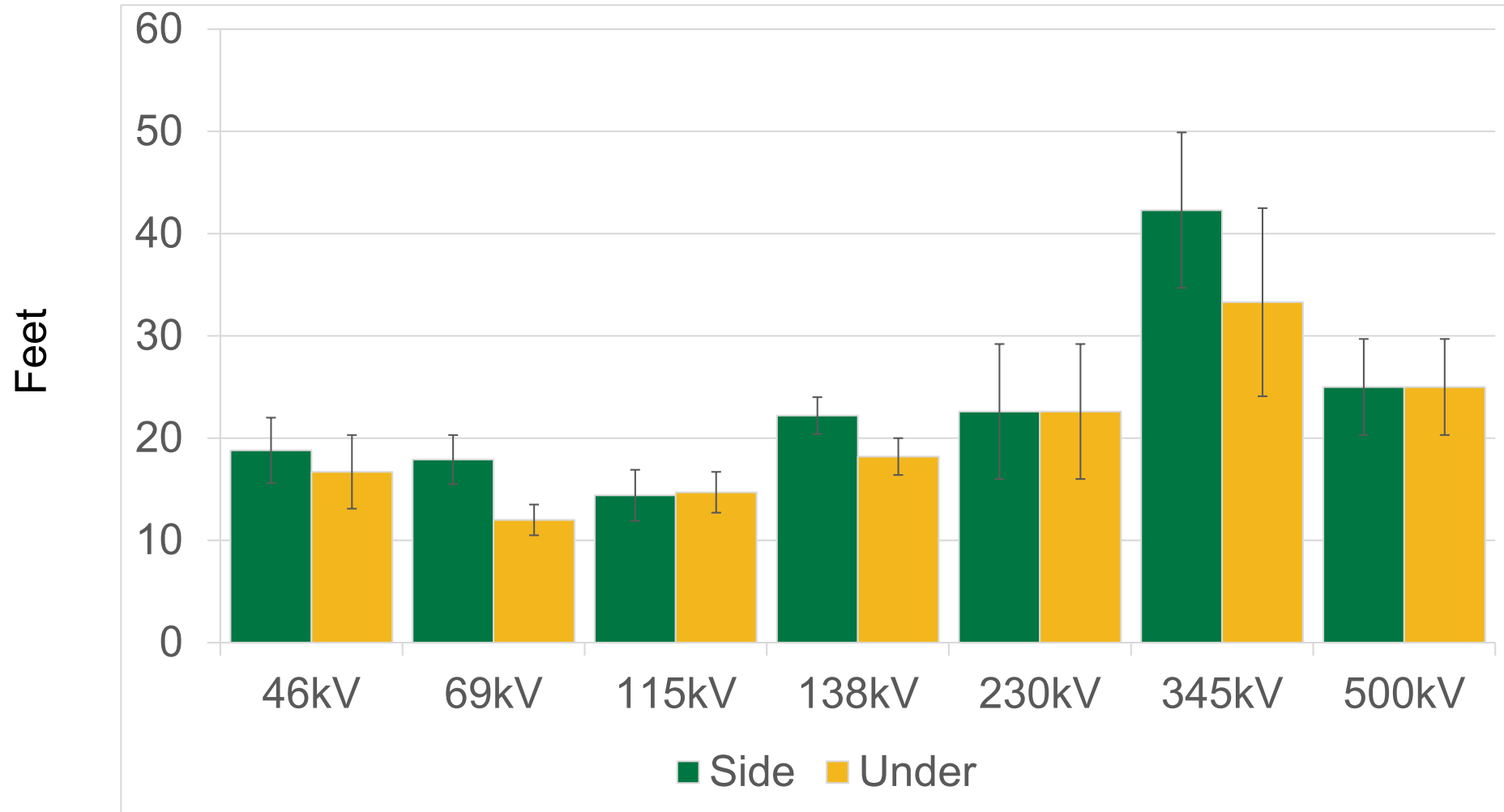
SECONDARY CLEARANCES



DISTRIBUTION CLEARANCES



TRANSMISSION CLEARANCES

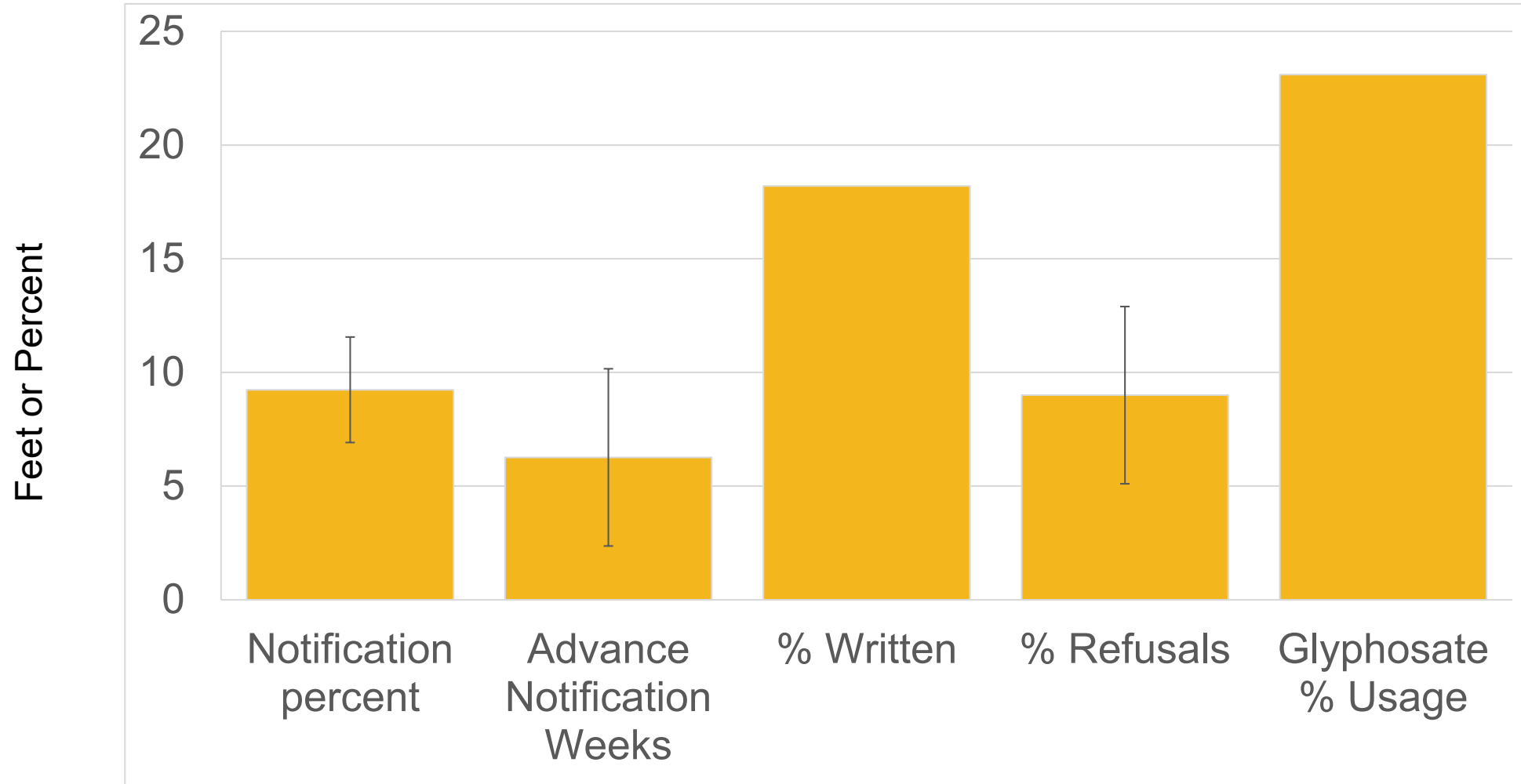


CHEMICAL CONTROL

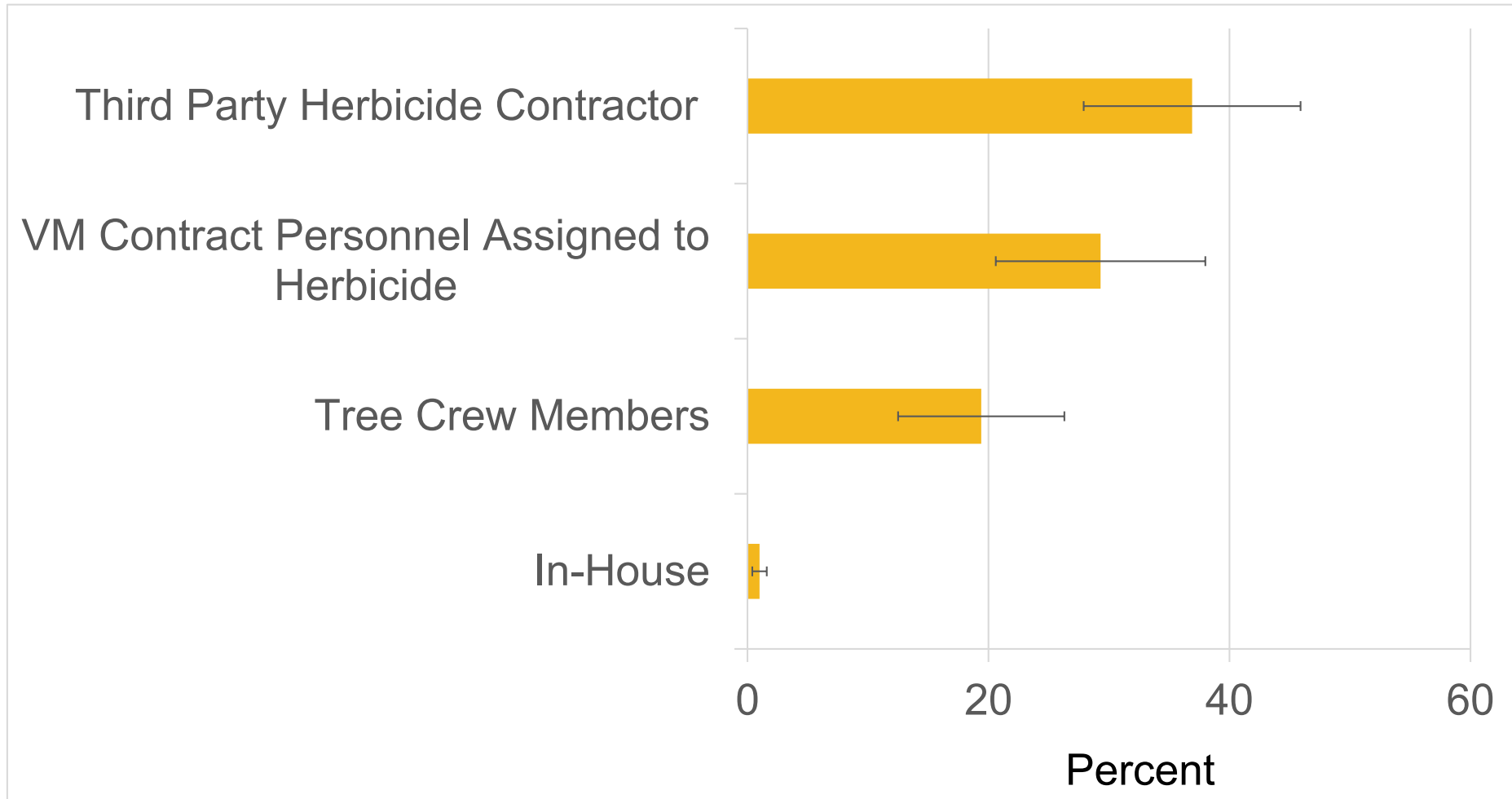


John Goodfellow

HERBICIDE TOPICS



HERBICIDE APPLICATION



SUMMARY

- Summarize survey results for:
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 - **System Profile**
 - **Personnel & Wages**
 - **Budgets**
 - **Program Attributes**
 - **Utility Forest Attributes**
 - **Chemical Program**
 - **ESG**



DISCUSSION?



Laua Phelegrin

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