Based on what my research shows, any number of temples could be announced in any of the following locations:

Africa Central: Likashi/Ruashi/Mwene-Ditu/Kinshasa (Second) Democratic Republic of the Congo¹; Pointe-Noire Republic of Congo; Dar Es Salaam Tanzania; Kigali Rwanda; Bujumbura Burundi; Addis Ababa Ethiopia

Africa South: Pretoria/East London South Africa; Bulawayo Zimbabwe; Lusaka Zambia; Lilongwe Malawi

Africa West: Enugu/Etinan/Ibadan/Port Harcourt/Umuahia Nigeria; Yamoussoukro/Abidjan West Ivory Coast; Bo Sierra Leone; Caldwell Liberia; Lome Togo; Cotonou Benin

Asia: Taichung Taiwan; New Delhi India; Hanoi Vietnam; Kuala Lumpur Malaysia; Lahore Pakistan

Asia North: Kobe/Hiroshima/Nagano Japan; Panasang Pohnpei (Micronesia)

Brazil: São Paulo (Fourth)/Fortaleza (Second)/Rio de Janeiro (Second) Brazil; Foz de Iguaçu

Brazil; Cuiabá/Palmas/São Luís/Santa Maria² Brazil

Canada: Ottawa Ontario; Prince George British Columbia

Caribbean: Port of Spain Trinidad; Georgetown Guyana; Kingston Jamaica; Valencia Venezuela Central America: Villa Nueva/Mixco/Mazatenango Guatemala; Comayagüela Honduras; Belize City/Belmopan Belize

Europe Central: Zurich Switzerland; Tirana Albania; Berlin Germany; Seville Spain;

Lyon/Bordeaux France; Prague Czech Republic; Warsaw Poland

Europe North: Cardiff Wales; Vilnius Lithuania

México: Mexico City South. Poza Rica, Aguascalientes, Nealtican, Durango, or Mazatlán Mexico

Middle East/Africa North: Abu Dhabi United Arab Emirates

Pacific: Christchurch New Zealand; Ipswich/Hobart/Canberra Australia; Bora Bora Tahiti; Upolu Samoa; Majuro Marshall Islands

Philippines: Angeles/Olongapo/Quezon City Philippines

South America Northwest: Otavalo/Guayaquil (Second)/Machala/Quevedo Ecuador; Lima Perú South; Bucaramanga Colombia

South America South: Osorno/Punta Arenas/Valparaíso Chile; Ciudad del Este Paraguay; Neuquén/Resistencia Argentina

United States:

United States Central: Pueblo/Boulder Colorado; Rigby/Nampa Idaho

United States Northeast: Augusta Maine/Concord New Hampshire; Baltimore Maryland;

Lansing Michigan; Charleston West Virginia

United States Southeast: Little Rock Arkansas; Jackson Mississippi; Shreveport Louisiana; Augusta Georgia; Pensacola Florida

United States Southwest: Mesa East Arizona; Las Cruces New Mexico; Henderson/Ely Nevada; Katy Texas

United States West: Juneau Alaska; Long Beach/San Francisco/Santa Barbara California Utah: Herriman Utah; Evanston Wyoming; Preston Idaho; Cottonwood Heights/Sandy Utah; Hurricane/Washington City Utah; Murray/Riverton Utah; Kanesville/North Ogden Utah; Provo Utah (Third Temple)

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¹ Perhaps Kimbanseke.

²It is also possible that Passo Fundo, Pelotas, Rivera, or Livramento may be the choice.

Note: In October 2022, President Nelson shared the Church's plan to announce multiple temples in major metropolitan areas where travel to existing temples presents an undue hardship. He then explained that Mexico City Mexico, would be the first major city to have multiple temples announced simultaneously. Based on research about that announcement, the following metropolitan areas seem likely to have multiple temples simultaneously announced in future General Conferences: São Paulo and Rio de Janeiro Brazil, Buenos Aires Argentina, Manila Philippines, and Santiago Chile. Since I don't have access to any data pointing to which of these cities might be the next to have multiple temples announced, I won't be able to predict the order in which those cities could have multiple temples announced, nor will I venture more specific predictions for locations within any of these metropolitan areas.

Result: During President Oaks' concluding remarks, he announced that, due to the many temples (over 100 in number) that are in the earliest stages of planning, and with the approval of the Quorum of the Twelve Apostles, the Church would not be announcing any temples during the October 2025 General Conference.