EMERGING GREEN ECONOMY OPPORTUNITIES BY PROVINCE

Based on the dashboard, the responses show different priority job titles/vocations by province under **emerging green economy opportunities**. The ranking below is presented from the **highest identified need to the lowest** for each province.

Baghdad: The highest need in Baghdad is for **Solar Photovoltaic Installation Engineers/Technicians**, representing around **27%** of responses. This is followed by **Solar Project Engineers** at **22%**, **PV System Designers** at **21%**, and **Renewable Energy Technicians** at **20%**. Lower levels of demand were reported for **Operations and Maintenance Engineers** at **9%**, while **Green Building and Efficiency Engineers** had the lowest share at around **2%**.

Erbil: In Erbil, the strongest demand is also for **Solar Photovoltaic Installation Engineers/Technicians**, at approximately **26%**. This is followed by **Solar Project Engineers** at **22%** and **PV System Designers** at **19%**. **Operations and Maintenance Engineers** represent around **14%**, followed by **Renewable Energy Technicians** at **13%**. The lowest demand is for **Green Building and Efficiency Engineers**, at about **5–6%**.

Basra: Basra shows the highest demand for **Renewable Energy Technicians**, with around **27%** of responses. The second-highest need is for **Solar Photovoltaic Installation Engineers/Technicians** at **22%**, followed by **Solar Project Engineers** at **15%** and **PV System Designers** at **14%**. **Operations and Maintenance Engineers** account for around **13%**, while **Green Building and Efficiency Engineers** are the lowest at about **8–9%**.

Ninewa: In Ninewa, the leading need is for **Solar Project Engineers**, representing approximately **23%**. This is followed by **PV System Designers** at **19%**, **Solar Photovoltaic Installation Engineers/Technicians** at **18%**, and **Operations and Maintenance Engineers** at **16%**. **Renewable Energy Technicians** account for about **14%**, while **Green Building and Efficiency Engineers** are the lowest at around **10%**.

Sulaymaniyah: Sulaymaniyah presents a different pattern, with the highest demand for **Operations and Maintenance Engineers**, at around **29%**. This is followed by **Green Building and Efficiency Engineers** at **25%**. The remaining needs are more moderate, with **Solar Project Engineers** at about **13%**, **Renewable Energy Technicians** at **12%**, **Solar Photovoltaic Installation Engineers/Technicians** at **11%**, and **PV System Designers** at around **10%**.

Duhok: In Duhok, the highest need is for **Solar Photovoltaic Installation Engineers/Technicians**, at approximately **27%**. This is followed by **PV System Designers** at **20%**. **Renewable Energy Technicians** and **Solar Project Engineers** are almost equal, each at around **17%**. **Operations and Maintenance Engineers** account for about **14%**, while **Green Building and Efficiency Engineers** are the lowest at around **6%**.

Babil: Babil shows the highest demand for **Solar Photovoltaic Installation Engineers/Technicians**, at around **24%**. This is followed by **PV System Designers** and **Renewable Energy Technicians**, both at approximately **19%**. **Solar Project Engineers** represent around **18%**, while **Operations and Maintenance Engineers** account for **17%**. The lowest demand is for **Green Building and Efficiency Engineers**, at around **3%**.

Salah Al-Din: In Salah Al-Din, the strongest need is for **Solar Photovoltaic Installation Engineers/Technicians**, at approximately **22%**. This is followed closely by **Solar Project Engineers** at **21%**, **Operations and Maintenance Engineers** at **18%**, **PV System Designers** at **17%**, and **Renewable Energy Technicians** at **16%**. **Green Building and Efficiency Engineers** are the lowest, at around **5–6%**.

Al-Qadisiyah: Al-Qadisiyah shows a clear concentration of demand in **Operations and Maintenance Engineers**, which represents the highest share at around **43–44%**. This is followed by **Solar Photovoltaic Installation Engineers/Technicians** at **17%**, **Solar Project Engineers** at **14%**, and both **PV System Designers** and **Renewable Energy Technicians** at around **10%** each. **Green Building and Efficiency Engineers** had the lowest share at around **5–6%**.

Dhi Qar: In Dhi Qar, the highest need is for **Solar Project Engineers**, at approximately **26%**. This is followed by **PV System Designers** at **23%** and **Solar Photovoltaic Installation Engineers/Technicians** at **22%**. **Operations and Maintenance Engineers** and **Renewable Energy Technicians** are both around **10%**, while **Green Building and Efficiency Engineers** are the lowest at about **9%**.

Overall,

The most frequently prioritized job title across provinces is
Solar Photovoltaic Installation Engineer/Technician, especially in
Baghdad, Erbil, Duhok, Babil, and Salah Al-Din. However, some provinces show distinct patterns, particularly **Al-Qadisiyah and Sulaymaniyah**, where
Operations and Maintenance Engineers appear as the leading need,
and **Basra**, where **Renewable Energy Technicians** are the highest priority.

Summary Table - EMERGING GREEN ECONOMY OPPORTUNITIES

Province	Total Responses	Ranking of Needed Vocations / Job Titles — Highest to Lowest
Baghdad	214	1. Solar Photovoltaic Installation Engineer/Technician — 27% 2. Solar Project Engineer — 23% 3. PV System Designer — 21% 4. Renewable Energy Technician — 20% 5. Operations & Maintenance Engineer — 9% 6. Green Building & Efficiency Engineer — 2%
Erbil	112	1. Solar Photovoltaic Installation Engineer/Technician — 26% 2. Solar Project Engineer — 22% 3. PV System Designer — 18% 4. Operations & Maintenance Engineer — 14% 5. Renewable Energy Technician — 13% 6. Green Building & Efficiency Engineer — 7%
Basra	142	1. Renewable Energy Technician — 27% 2. Solar Photovoltaic Installation Engineer/Technician — 22% 3. Solar Project Engineer — 16% 4. PV System Designer — 14% 5. Operations & Maintenance Engineer — 13% 6. Green Building & Efficiency Engineer — 8%
Ninewa	127	1. Solar Project Engineer — 23% 2. PV System Designer — 19% 3. Solar Photovoltaic Installation Engineer/Technician — 19% 4. Operations & Maintenance Engineer — 16% 5. Renewable Energy Technician — 14% 6. Green Building & Efficiency Engineer — 9%
Sulaymaniyah	228	1. Operations & Maintenance Engineer — 40% 2. Green Building & Efficiency Engineer — 23% 3. Solar Project Engineer — 11% 4. Renewable Energy Technician — 9% 5. Solar Photovoltaic Installation Engineer/Technician — 9% 6. PV System Designer — 8%
Duhok	107	1. Solar Photovoltaic Installation Engineer/Technician — 27% 2. PV System Designer — 20% 3. Renewable Energy Technician — 17% 4. Solar Project Engineer — 16% 5. Operations & Maintenance Engineer — 14% 6. Green Building & Efficiency Engineer — 6%
Babylon	81	1. Solar Photovoltaic Installation Engineer/Technician — 24%

Province	Total Responses	Ranking of Needed Vocations / Job Titles — Highest to Lowest
		2. PV System Designer — 19% 3. Renewable Energy Technician — 19% 4. Solar Project Engineer — 19% 5. Operations & Maintenance Engineer — 17% 6. Green Building & Efficiency Engineer — 2%
Salah Al-Din	107	1. Solar Photovoltaic Installation Engineer/Technician — 23% 2. Solar Project Engineer — 21% 3. Operations & Maintenance Engineer — 18% 4. PV System Designer — 17% 5. Renewable Energy Technician — 16% 6. Green Building & Efficiency Engineer — 5%
Al-Qadisiyah	71	1. Operations & Maintenance Engineer — 43% 2. Solar Photovoltaic Installation Engineer/Technician — 17% 3. Solar Project Engineer — 14% 4. PV System Designer — 10% 5. Renewable Energy Technician — 10% 6. Green Building & Efficiency Engineer — 5%
Dhi Qar	87	1. Solar Project Engineer — 26% 2. Solar Photovoltaic Installation Engineer/Technician — 24% 3. PV System Designer — 23% 4. Operations & Maintenance Engineer — 10% 5. Renewable Energy Technician — 10% 6. Green Building & Efficiency Engineer — 7%

Overall observation:

The most commonly prioritized vocation across provinces is **Solar Photovoltaic Installation Engineer/Technician,** while **Operations & Maintenance Engineer** is the dominant need in **Sulaymaniyah** and **Al-Qadisiyah. Basra** stands out with the highest demand for **Renewable Energy Technicians**, and **Dhi Qar/Ninewa** show strong demand for **Solar Project Engineers.**