Task Title: Environmental Impact of Artificial Intelligence (AI)

OALCF Cover Sheet – Learner Copy

Learner Name: _____

Date Started: _____

Date Completed: _____

Successful Completion: Yes ☐   No ☐

Goal Path: Employment ☐   Apprenticeship ☐

Secondary School ☐   Post Secondary ☐   Independence ☐

Task Description: The learner will watch a video about the environmental impact of Artificial Intelligence (AI) and write paragraphs expressing their opinion on this topic.

Main Competency/Task Group/Level Indicator:

- Find and Use Information/Extract info from films, broadcasts and presentations/A3
- Communicate Ideas and Information/Write continuous text/B2.3
- Use Digital Technology/D.2 (optional)

Materials Required:

- Pen/pencil and paper and/or digital device
- Computer

Learner Information

Artificial Intelligence (AI) is a rapidly growing technology that is being used in schools and workplaces around the world. While it has many advantages for learning and working, AI also uses a tremendous amount of energy which may have devastating consequences for our planet.

Watch "The Growing Environmental Impact of AI Data Centers' Energy Demands" (video until 4:53).

https://www.youtube.com/watch?v=-sNKfRq1oKg&t=1s

Work Sheet

Task 1: Describe how AI is impacting the environment.

Answer:

_____

Task 2: Describe the public health effects of AI's energy demands.

Answer:

_____

Task 3: Describe how Ireland has begun regulating data centre energy use to protect its energy grid.

Answer:

_____

Task 4: Describe what companies like Amazon and Google are doing to offset the increased energy they require for AI.

Answer:

_____

Task 5: The video ends with the statement: "A request made on OpenAI's ChatGPT consumes almost ten times the amount of electricity compared to a Google Search".

Write an opinion paragraph of at least five (5) sentences describing whether you think this is a problem or not. To respond to this question, you may conduct an internet search to read more about "pros and cons" of AI.

Answer: