

TTWG SUBCOMMITTEE A1: LANDFILL SIZE / CAPACITY / LIFE

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Charge A: Common Understandings Tasks

- 1) A chronological history of key Coffin Butte Landfill topics:
 - A. Size**
 - B. Specific locations**
 - C. Assumptions (e.g. when will the landfill close)****

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Subcommittee Members:

- **Paul Nietfeld**
- **Chuck Gilbert**
- **Brian May**
- **Shane Sanderson**
- **Ian Macnab**
- **Bill Bromann**
- **Ginger Rough**
- **Marge Popp**
- **Mark Yeager**
- **Ken Eklund**
- **Daniel Redick**

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Landfill Chronological History:

- **Draft document**
 - **Focuses on early chronology**
 - **Lacking in recent history**
 - **Lacking contextual history**
 - **Lacking information graphically presented (timelines, etc.)**
- **Several supplemental documents exist to help address these lacks, more to come**

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Landfill Site and Operations: Data Gathering

- **What is currently available for trash emplacement?**
 - **acres: 178**
 - **includes area currently being quarried**
 - **only on north side of Coffin Butte Road**
- **Is the landfill contractually obligated with its franchisee to let them exhaust the quarry?**
 - **answer is not “yes” – Republic to pursue**
- **Can Republic members share company landfill planning, to include business, collection, franchise, and waste projections information?**
 - **Yes**

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Landfill Site and Operations: Data Gathering, cont'd

- **What does Republic consider acceptable regarding operations that affect site life – i.e., annual tonnage cap, geographic restrictions on where garbage originates, etc?**
 - **tonnage cap: Republic to respond**
 - **geographic restrictions: not acceptable**
 - **others to emerge from the process**

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Landfill Future: Questions we are exploring

When will the landfill close?

- **What are the factors that determine when the landfill will close? What are the likely ranges of those factors? What are the assumptions that underlie estimates of those ranges to those factors?**
 - **permitted airspace**
 - **garbage in**
 - **quarrying creating more airspace**
 - **settlement (offgassing)**
 - **external factors (market shifts and pricing, environmental legislation, fire and other disasters, etc.)**

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Landfill Future: Questions we are exploring (cont'd)

When will the landfill close?

- **What are the frameworks we can use to better understand the landfill's future?**
 - **immutable vs. mutable factors: i.e., biochemical process vs. pricing**
 - **reimagining the factors: i.e., garbage vs fuel**
 - **degree of "future discount"**
 - **"what if" – playing out future scenarios**
 - **incorporating external factors (market shifts, environmental legislation, fire and other disasters, etc.)**

All the above are ways to reveal underlying assumptions to statements about factors relevant to lifespan

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Landfill Future: Questions we are exploring (cont'd)

When will the landfill close?

- **Related questions:**
 - **Can Cell 6 (the quarry area) be prepared for use when Cell 5 is full? Are there ways for quarrying to finish up as Cell 6 begins?**
 - **How much airspace is opened up by quarry operations? How does that airspace availability graph out over time? Can that material be removed now and stockpiled for use?**
 - **How does the landfill's current 'trajectory' (i.e., recent history) inform its future trajectory?**
 - **Economic drivers? (diverting material out of the waste stream)**

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Landfill Future: Questions we are exploring (cont'd)

Other assumptions related to the Charge

- **What is the environmental cost of the landfill?**
 - **leachate**
 - **methane**
 - **traffic**
 - **etc.**
- **What are the rules that govern the landfill? Is it complying?**
 - **past and current**
 - **short-term future**
 - **post-closure (long term)**

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Landfill Future: Questions we are exploring (cont'd)

Other assumptions related to the Charge (con'td)

- **What risks does the landfill create for the county?**
 - **fire**
 - **earthquake**
 - **groundwater pollution (overflow)**
 - **concatenating**
 - **etc.**

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What Questions would workgroup members like the subcommittee to explore?

Give us your ideas for our upcoming meetings:

- Meeting #2: November 8, 2022 – 10:30am-12:00pm
- Meeting #3: November 15, 2022 – 10:30am-12:00pm