

**Cal Recycle**



## RDRS Reporting Requirements Workshop

**May 21, 2019**

Byron Sher Auditorium, Cal/EPA Building

1001 I St., Sacramento, CA 95814

Facilitator: Steven Sander, Knowledge Integration Section

# HOUSEKEEPING

- Fire/life/safety
- Recorded
- Restrooms
- Workshop guidelines
- Webcast participation best practices
- Disclaimer

# WORKSHOP GUIDELINES

- Hold your questions until the Q&A portion
- Use the microphone
- Listen actively
- Treat others the way *they* want to be treated (platinum rule)

# A NOTE TO WEBCAST PARTICIPANTS

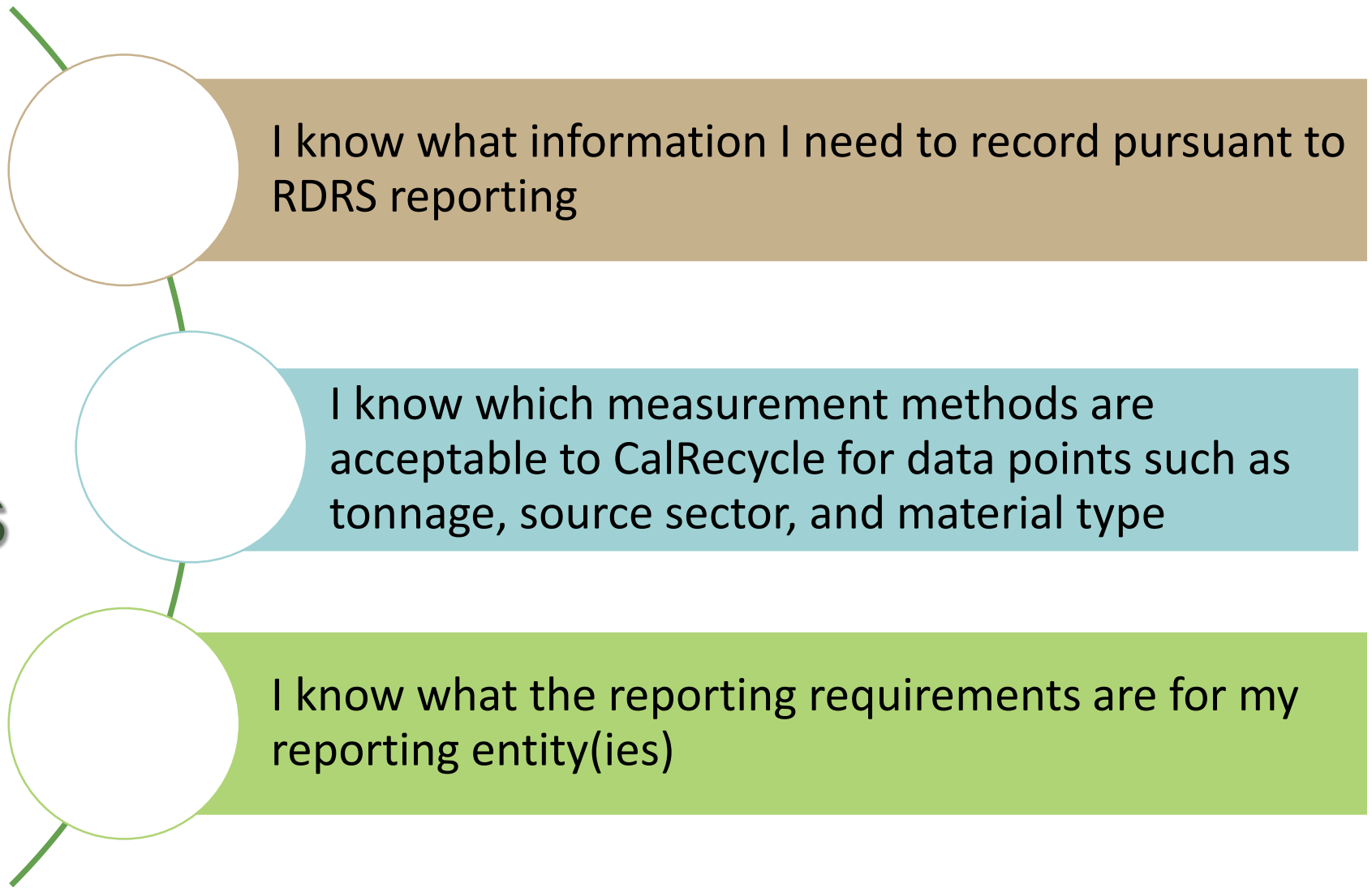
- Throughout the workshop, please send succinct, straight-to-the-point questions and comments directly related to the material being discussed to the following e-mail address:

[RDERS@CalRecycle.ca.gov](mailto:RDERS@CalRecycle.ca.gov)

# DISCLAIMER

- Do not construe the contents of this workshop as legal advice.
- No statements made here are legally binding.
- This workshop should not be relied upon as a substitute for making your own independent determination whether or not your facility or operation should be registered as a reporting entity in RDRS.
- CalRecycle reserves the right to modify RDRS at any time within the scope of the regulations. This training may become deprecated, in which case, it should be replaced by supplemental training material.

# LEARNING OBJECTIVES



I know what information I need to record pursuant to RDRS reporting

I know which measurement methods are acceptable to CalRecycle for data points such as tonnage, source sector, and material type

I know what the reporting requirements are for my reporting entity(ies)

# AGENDA

1:00-1:10pm: Introduction

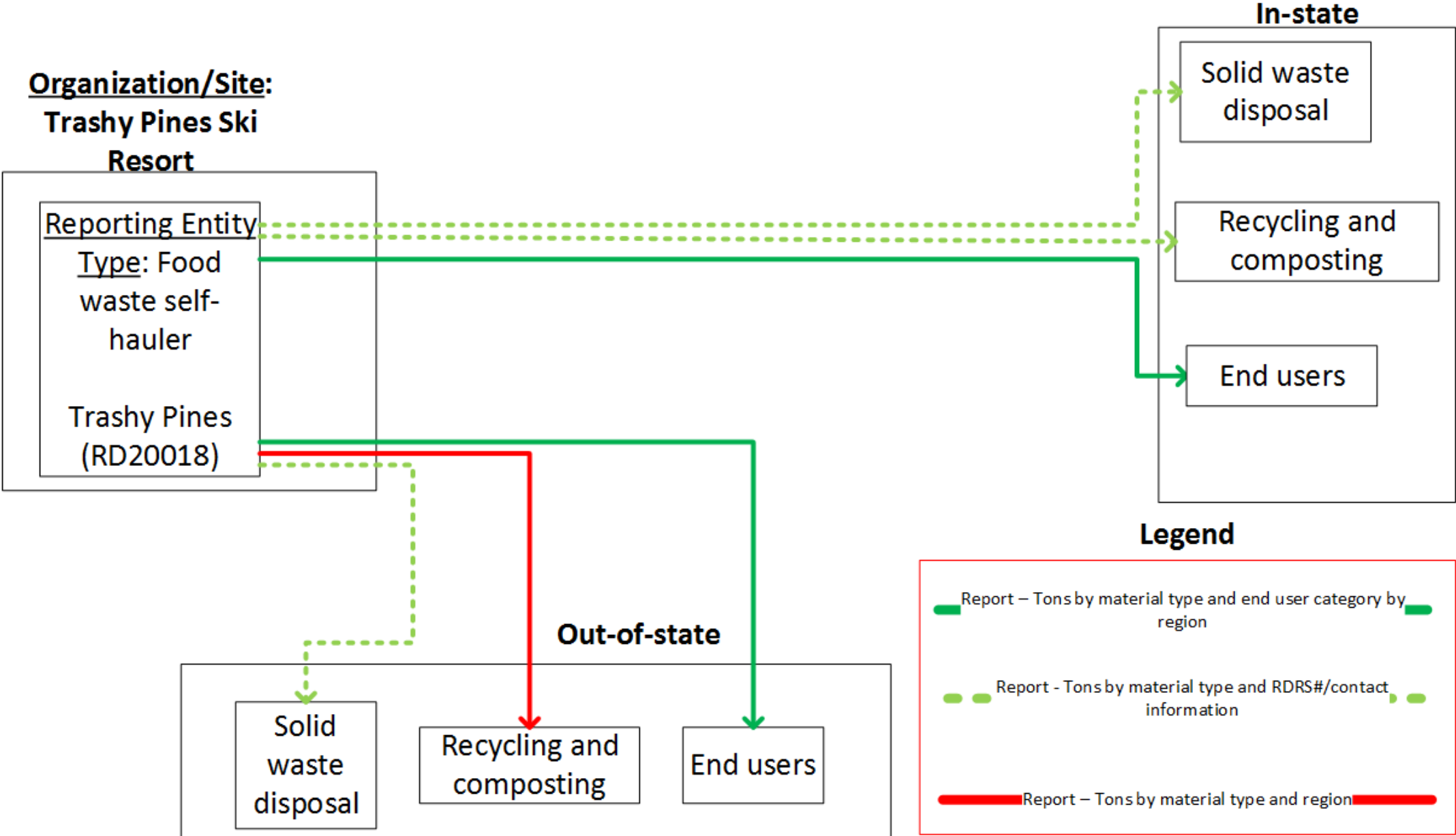
1:10-3:30pm: Reporting Requirements for:

- Food Waste Self-haulers
- Contract Haulers
- Transfer/Processors
- Disposal Facilities
- Recycler/Composters
- Broker/Transporters
  
- [2:50-3:00pm: Break]

3:30-4:15pm: Methods

4:15-4:30pm: Close

# FOOD WASTE SELF-HAULER



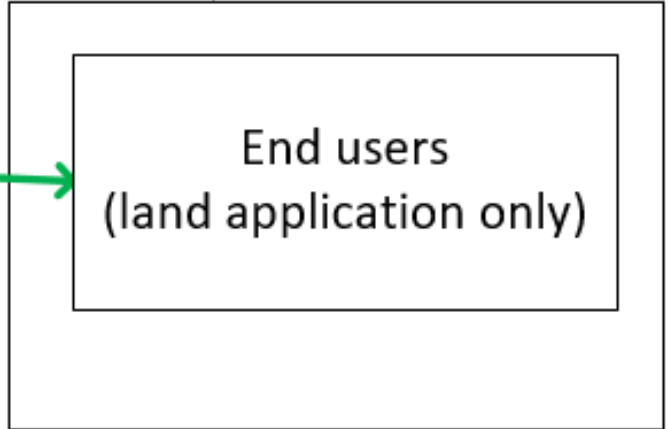


# CONTRACT HAULER

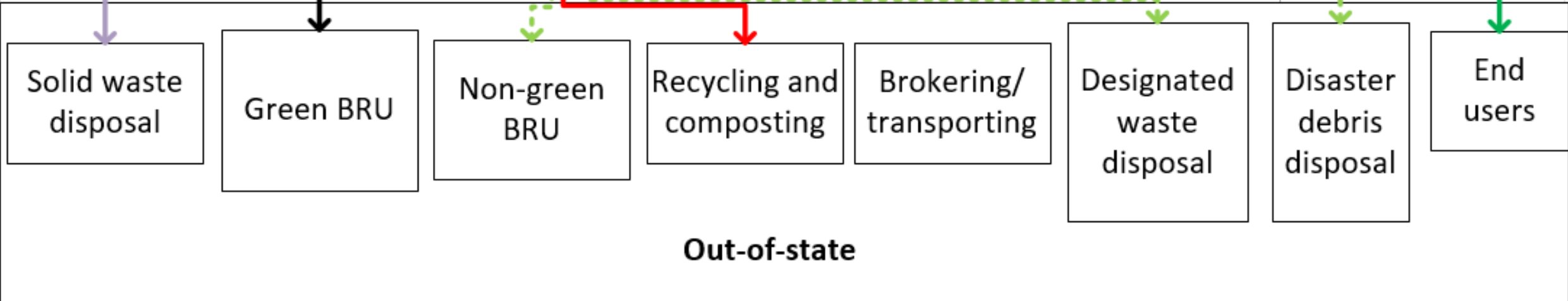
## Legend

- Report - Tons by material type and end user category by region —
- - - Report - Tons by jurisdiction of origin & source sector, and RDRS#/contact information
- Report - Tons by jurisdiction of origin and RDRS#/contact information —
- - - Report - Tons by material type and RDRS#/contact information - - -
- Report - Tons by material type and region —

## In-state



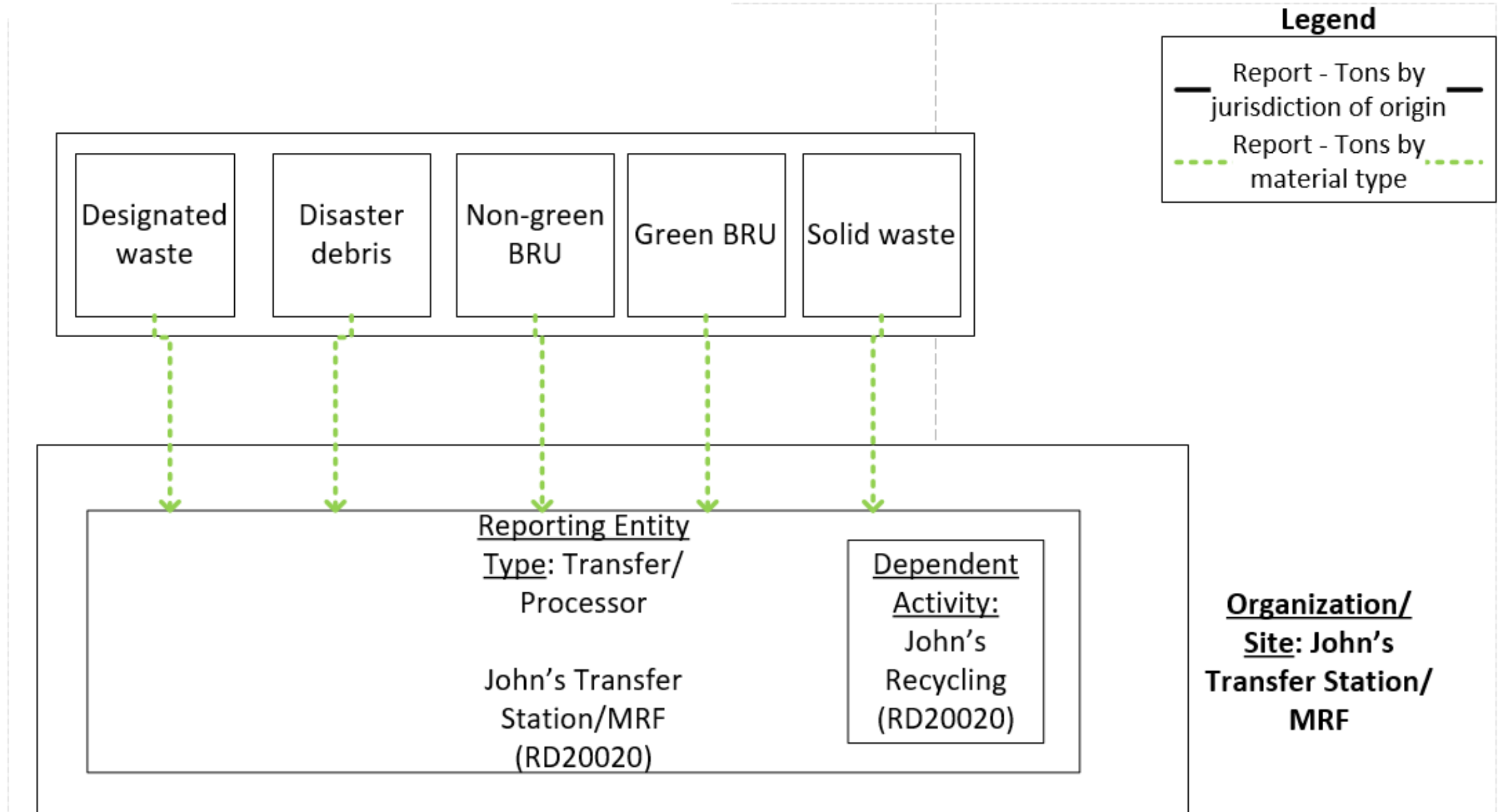
## Out-of-state



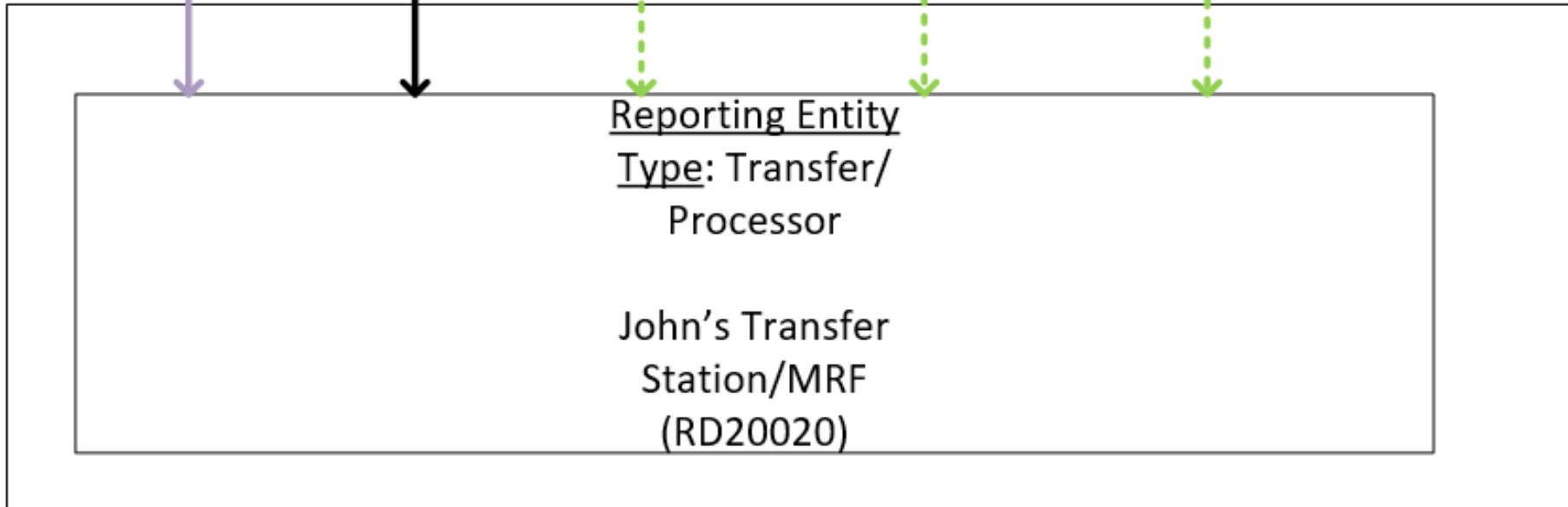
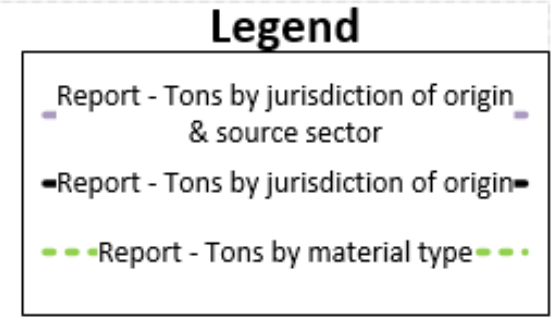
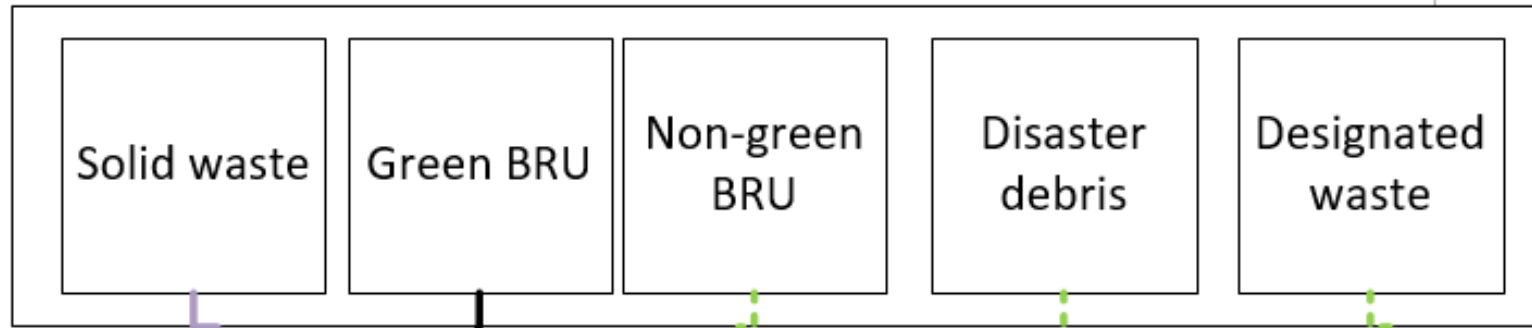
Reporting Entity Type:  
Contract hauler  
Andrew's Hauling (RD20019)



# MATERIAL ACCEPTED FROM EACH TRANSFER/PROCESSOR



# MATERIAL ACCEPTED FROM DIRECT-HAUL



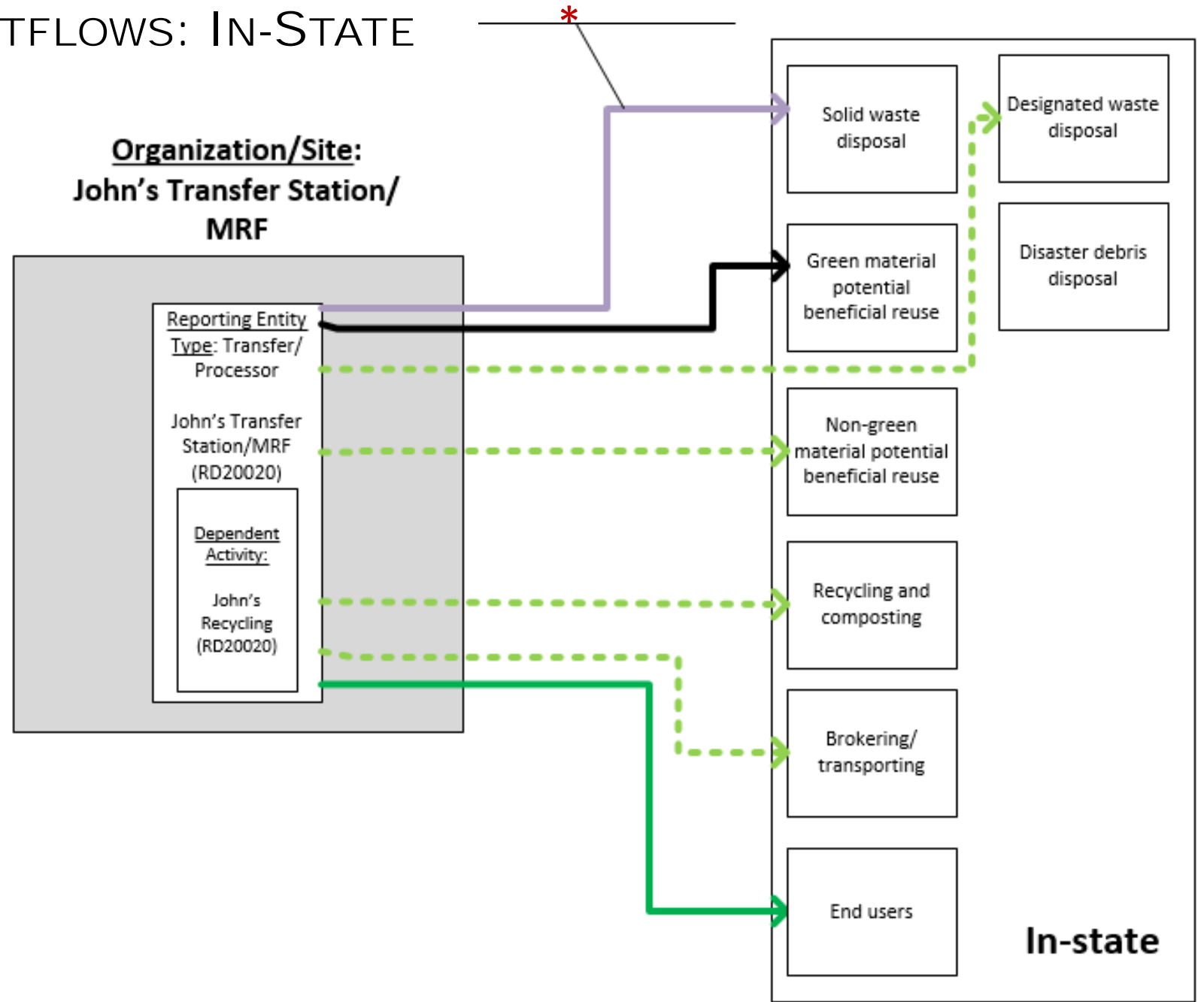
Organization/  
Site: John's  
Transfer Station/  
MRF

# TRANSFER/PROCESSOR OUTFLOWS: IN-STATE

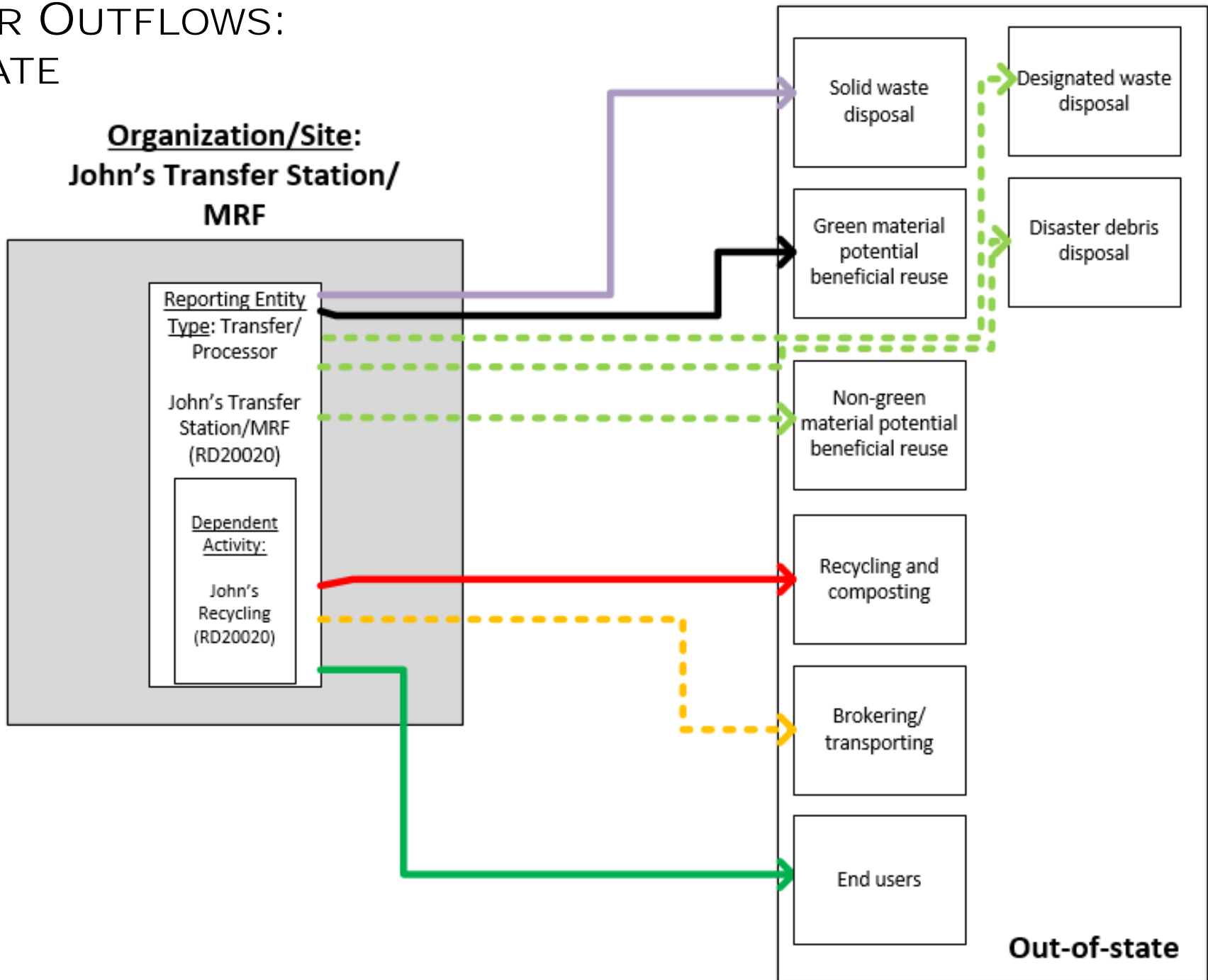
\*For in-state solid waste disposal, report percentage of solid waste outflows that were direct-hauled vs. accepted from other transfer/processors, and report source sector (% residential, commercial, self-hauled) for all direct-hauled tons sent

**Legend**

- Report – Tons by material type and end user category by region
- Report - Tons by jurisdiction of origin & source sector, and RDRS#/contact information
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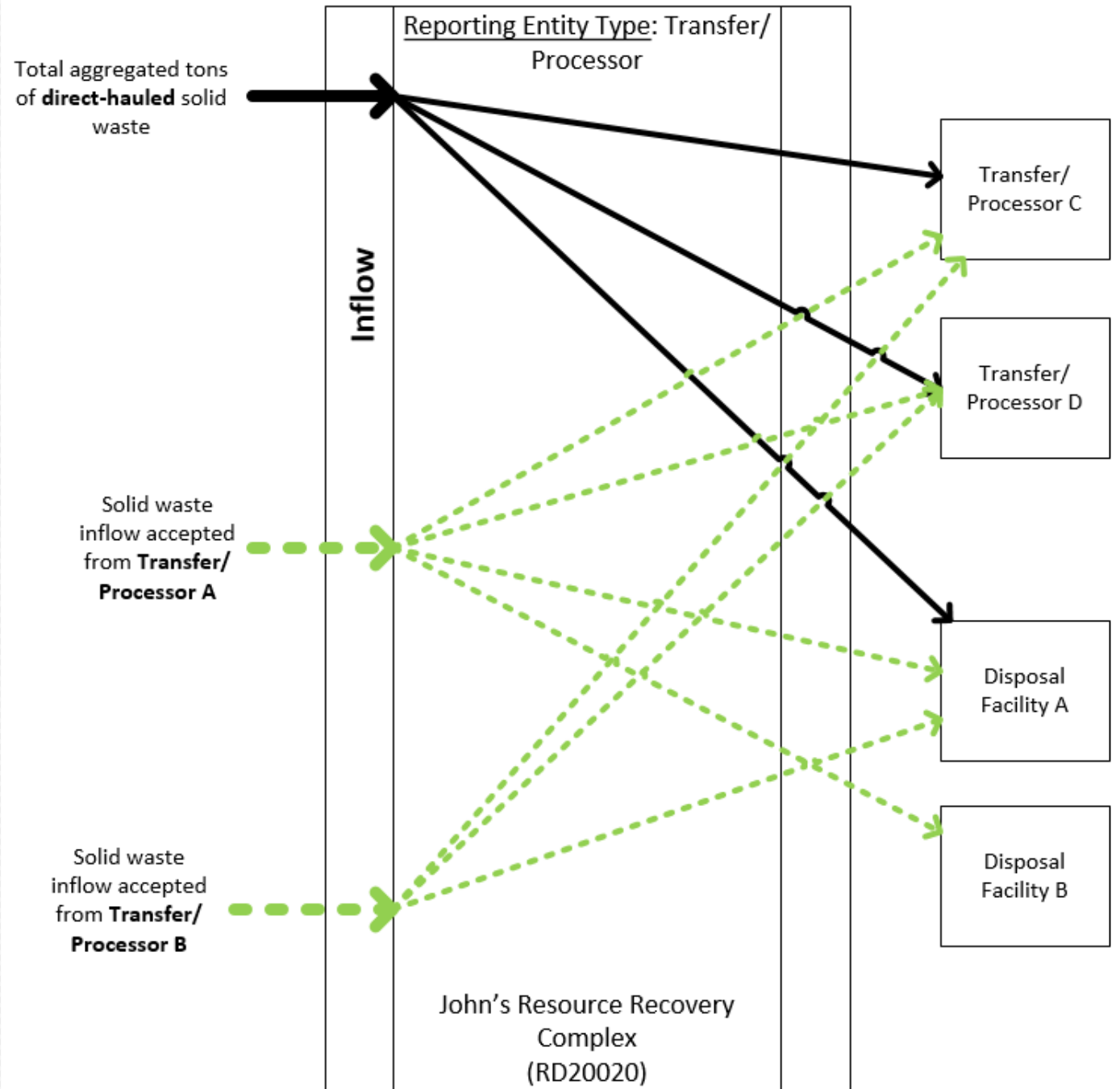
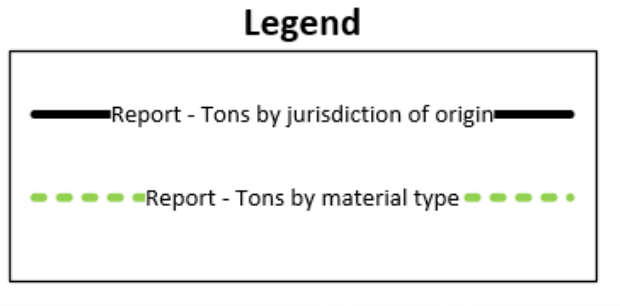
# TRANSFER/PROCESSOR OUTFLOWS: OUT-OF-STATE



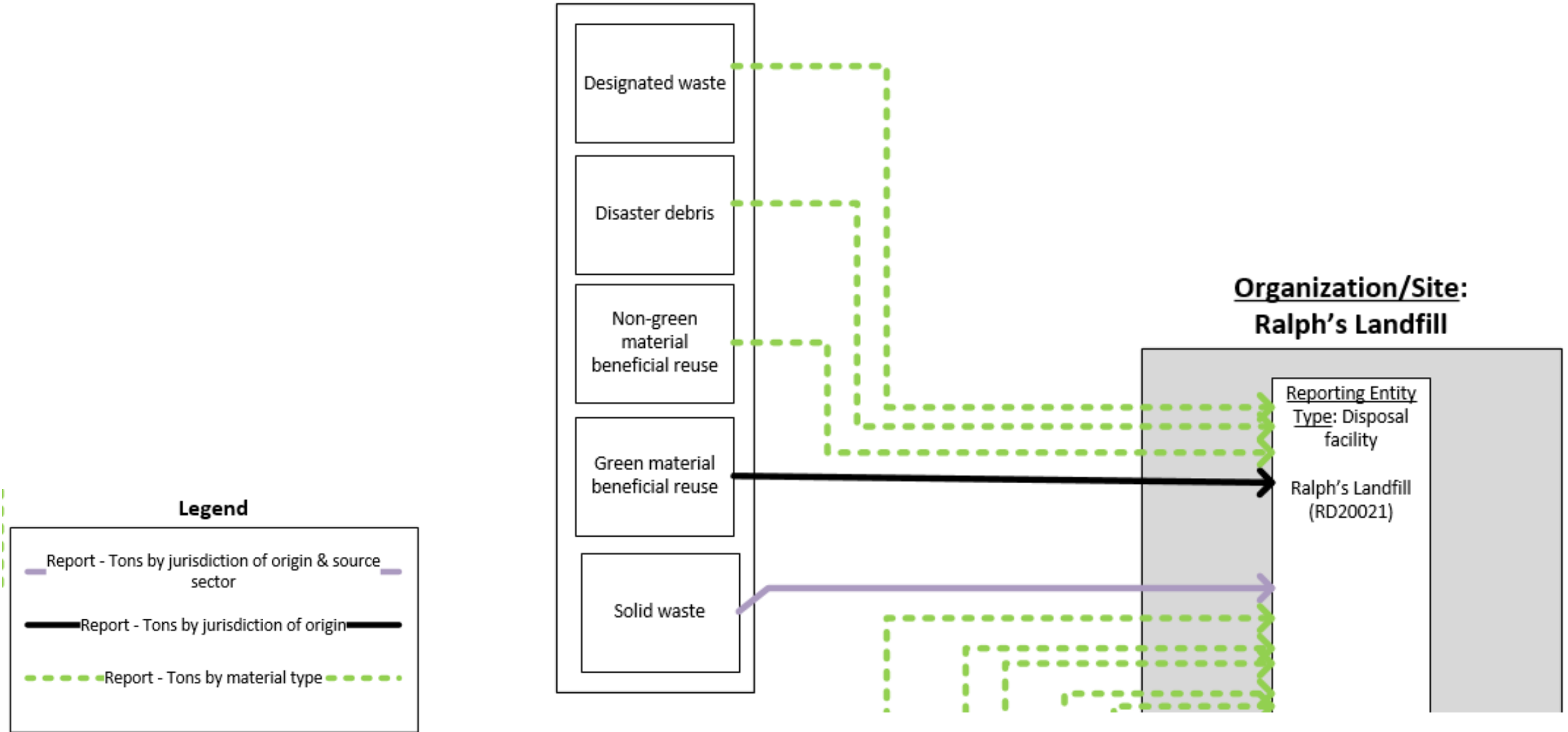
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# TRANSFER/PROCESSOR: ALLOCATIONS EXAMPLE



# DISPOSAL FACILITY INFLOW: MATERIAL ACCEPTED FROM DIRECT-HAUL

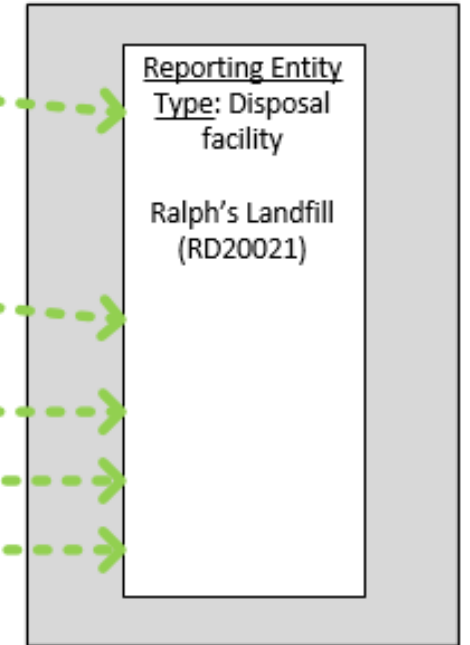
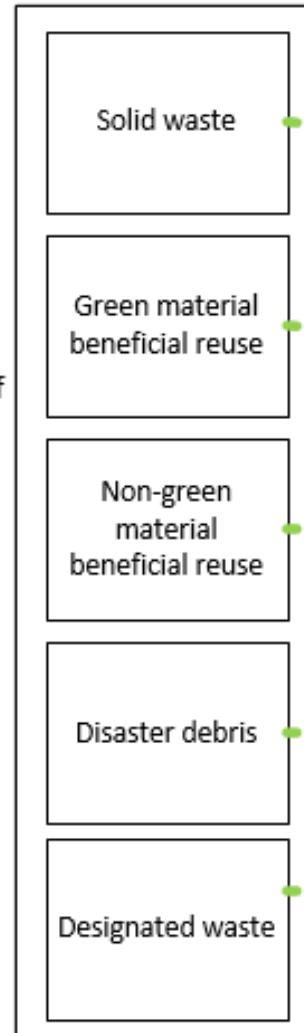


# DISPOSAL FACILITY INFLOW: MATERIAL ACCEPTED FROM EACH TRANSFER/PROCESSOR

Material accepted from each  
transfer/processor

Organization/Site:  
Ralph's Landfill

Total tons accepted of  
each stream for each  
transfer/processor  
from which material  
was received

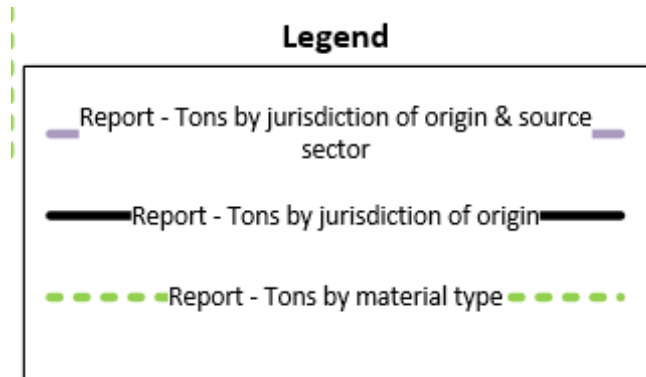


## Legend

Report - Tons by jurisdiction of origin & source sector

Report - Tons by jurisdiction of origin

Report - Tons by material type





# DISPOSAL FACILITY: ON-SITE DISPOSAL EXAMPLE

## Legend

— Report - Tons by jurisdiction of origin & source sector —

— Report - Tons by jurisdiction of origin —

- - - Report - Tons by material type - - -

Solid waste disposed  
from Transfer/  
Processor A



Solid waste disposed  
from direct haul



Disaster debris  
disposed from  
Transfer/Processor A  
(Material type is  
disaster debris)



Direct-hauled  
designated waste  
disposal  
(Material type is  
designated waste)



Reporting Entity Type: Disposal facility  
Ralph's Landfill  
(RD20021)

Disposal

Organization/Site:  
Ralph's Landfill

# DISPOSAL FACILITY: GREEN BENEFICIAL REUSE

**Organization/Site:**  
**Ralph's Landfill**

Total aggregated tons of **direct-hauled** green material accepted for beneficial reuse (as ADC, AIC, construction, landscaping & erosion control)

Green material inflow accepted from **Transfer/Processor A** for beneficial reuse

Green material inflow accepted from **Transfer/Processor B** for beneficial reuse

Reporting Entity Type: Disposal facility  
Ralph's Landfill  
(RD20021)

Alternative Daily Cover

Alternative Intermediate Cover

Construction

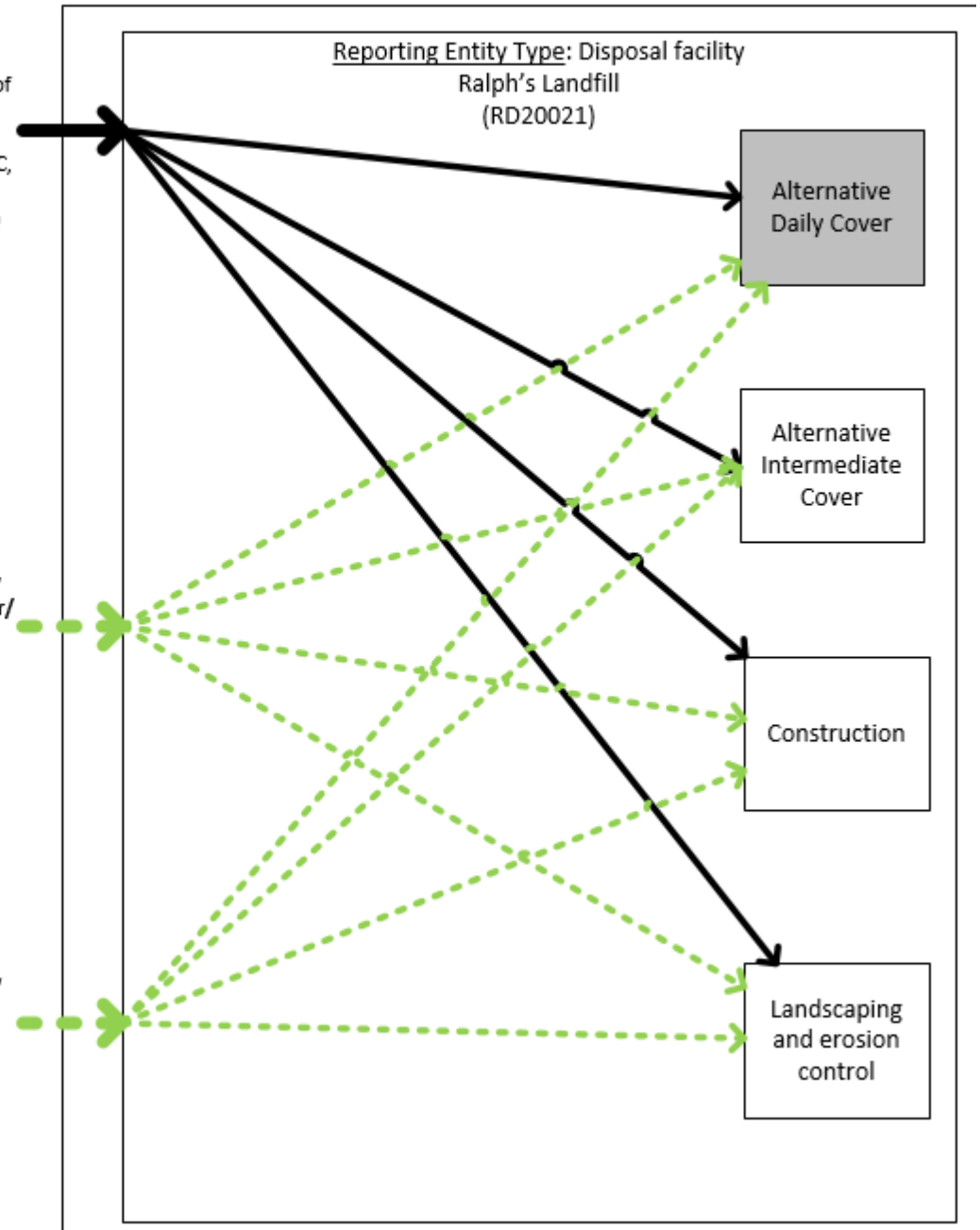
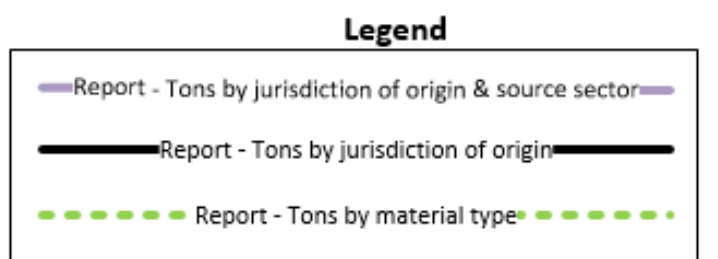
Landscaping and erosion control

## Legend

— Report - Tons by jurisdiction of origin & source sector —

— Report - Tons by jurisdiction of origin —

- - - Report - Tons by material type - - -



# DISPOSAL FACILITY: NON-GREEN BENEFICIAL REUSE

**Organization/Site:**  
Ralph's Landfill

Aggregated tons of **direct-hauled** non-green material accepted for beneficial reuse (as ADC, AIC, construction, landscaping & erosion control)

Non-green material inflow accepted from **Transfer/Processor A** for beneficial reuse

Non-green material inflow accepted from **Transfer/Processor B** for beneficial reuse

Reporting Entity Type: Disposal facility  
Ralph's Landfill  
(RD20021)

Alternative Daily Cover

Alternative Intermediate Cover

Construction

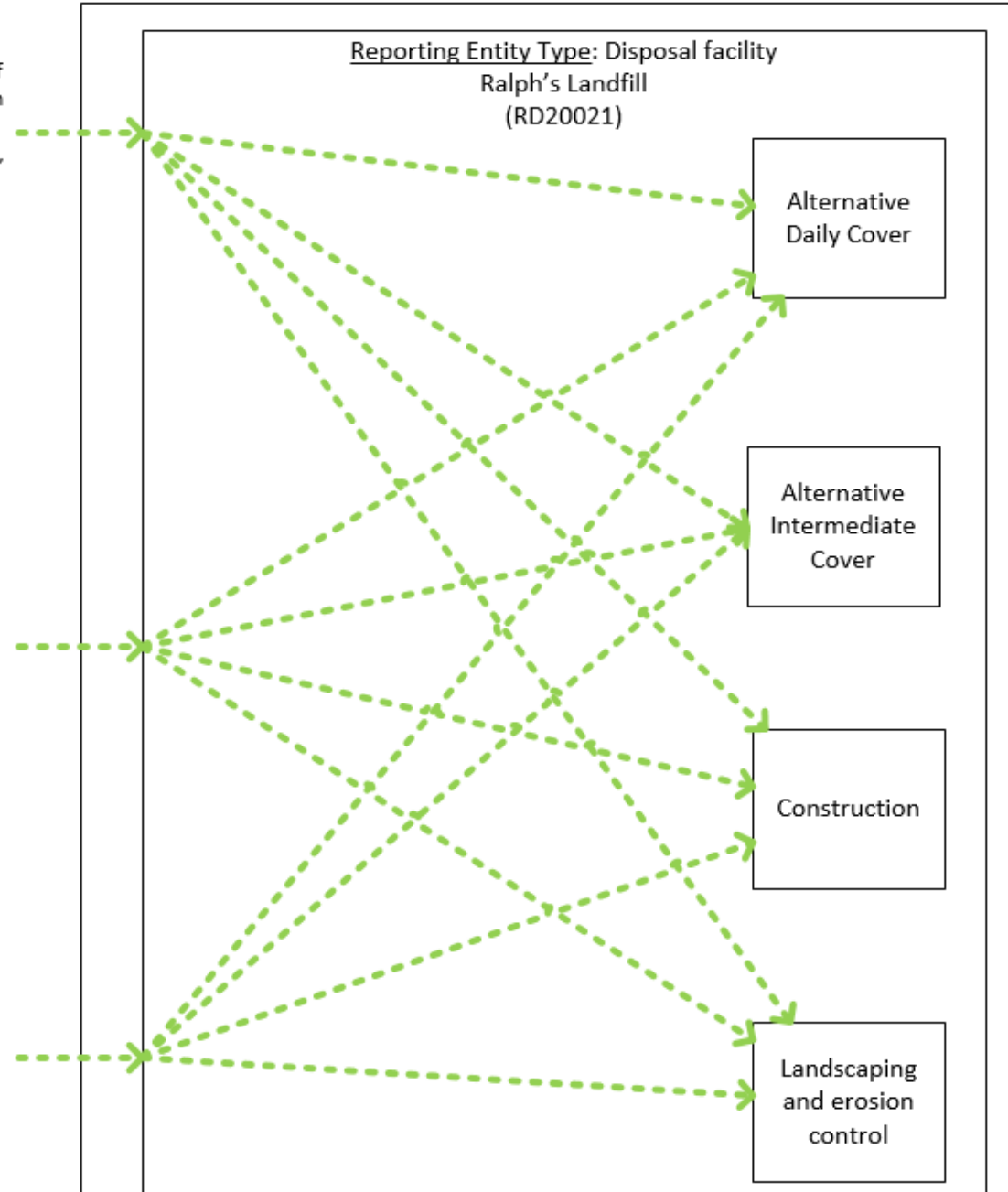
Landscaping and erosion control

## Legend

— Report - Tons by jurisdiction of origin & source sector —

— Report - Tons by jurisdiction of origin —

- - - Report - Tons by material type - - -

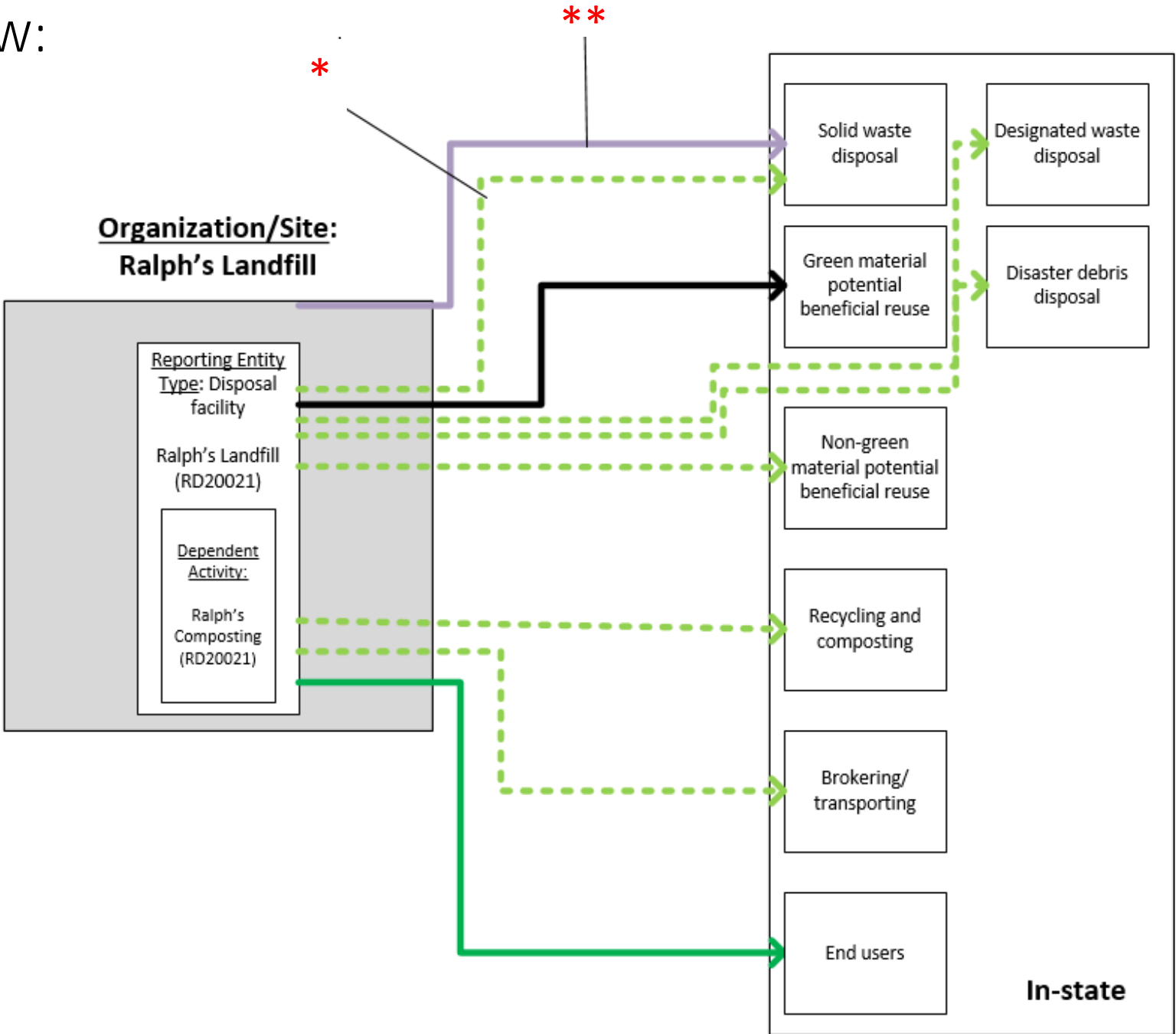


# DISPOSAL FACILITY OUTFLOW: IN-STATE

- \* Material generated on-site
- \*\* For material directly transferred, must register and report according to reporting requirements for transfer/processors

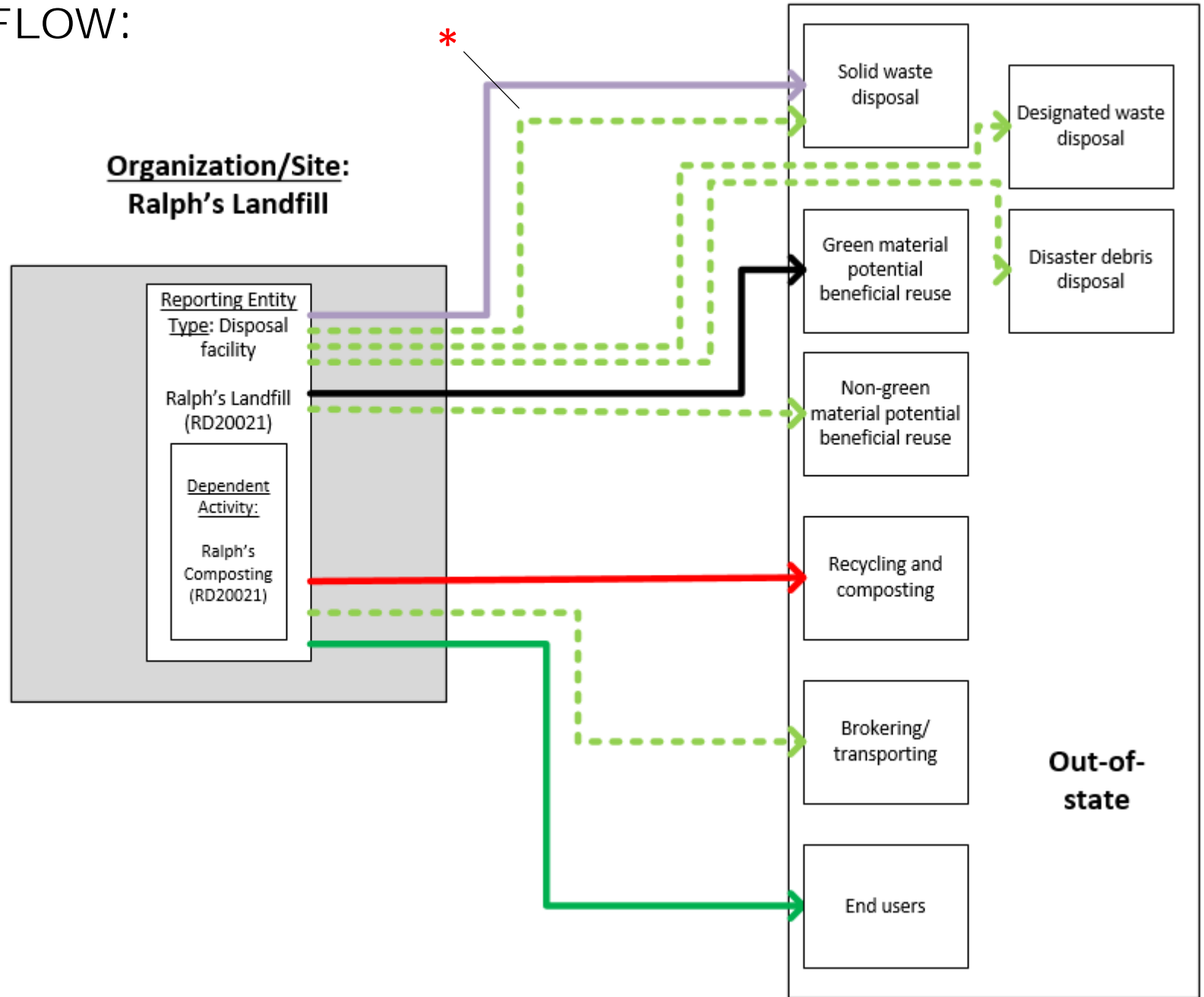
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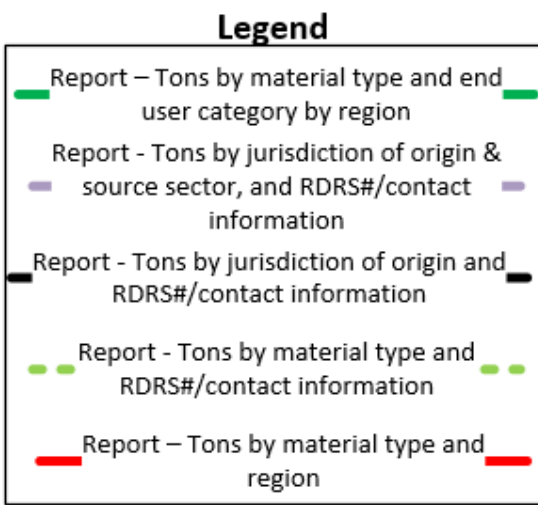
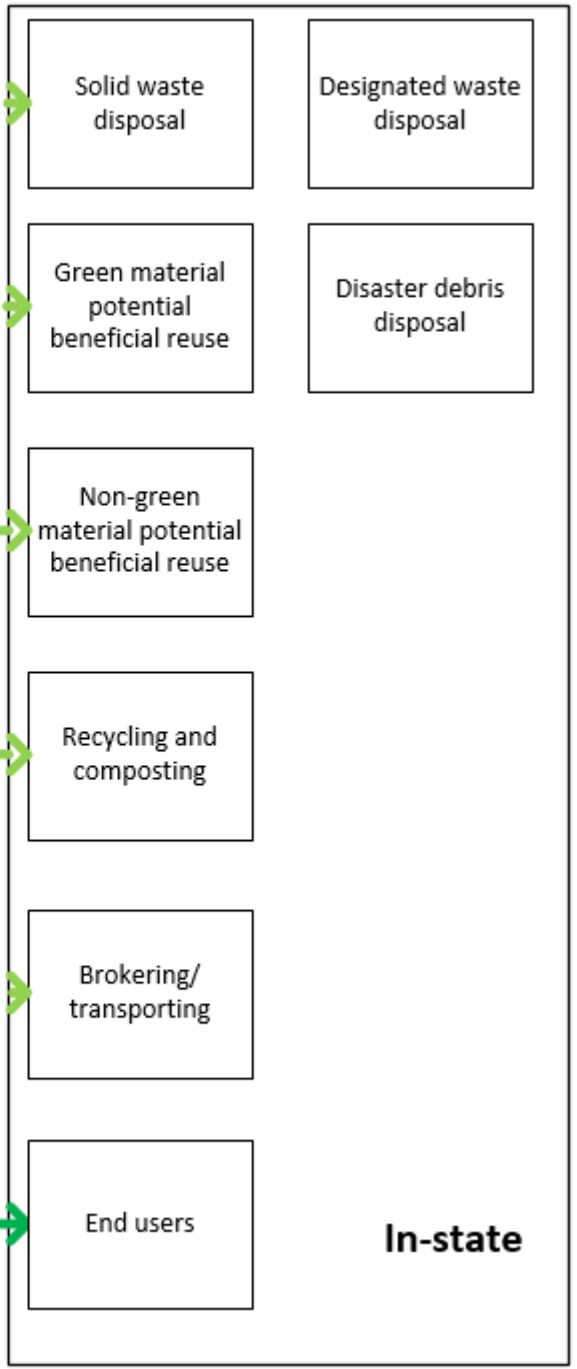
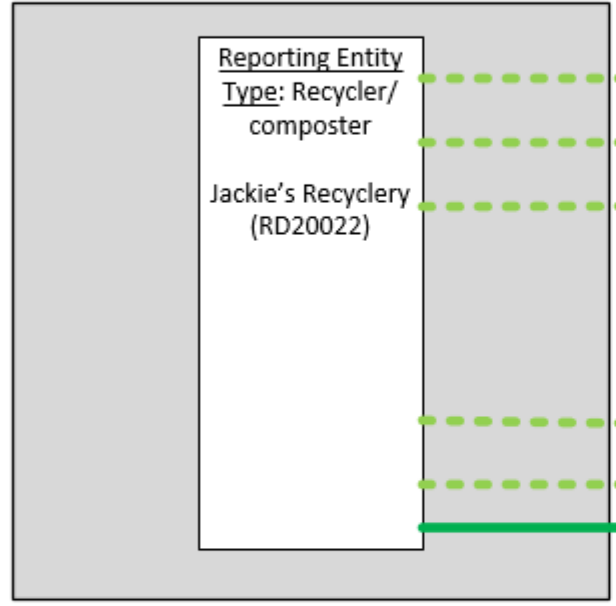
# DISPOSAL FACILITY OUTFLOW: OUT-OF-STATE

\*Solid waste material generated on-site



# RECYCLING AND COMPOSTING FACILITIES AND OPERATIONS: IN-STATE

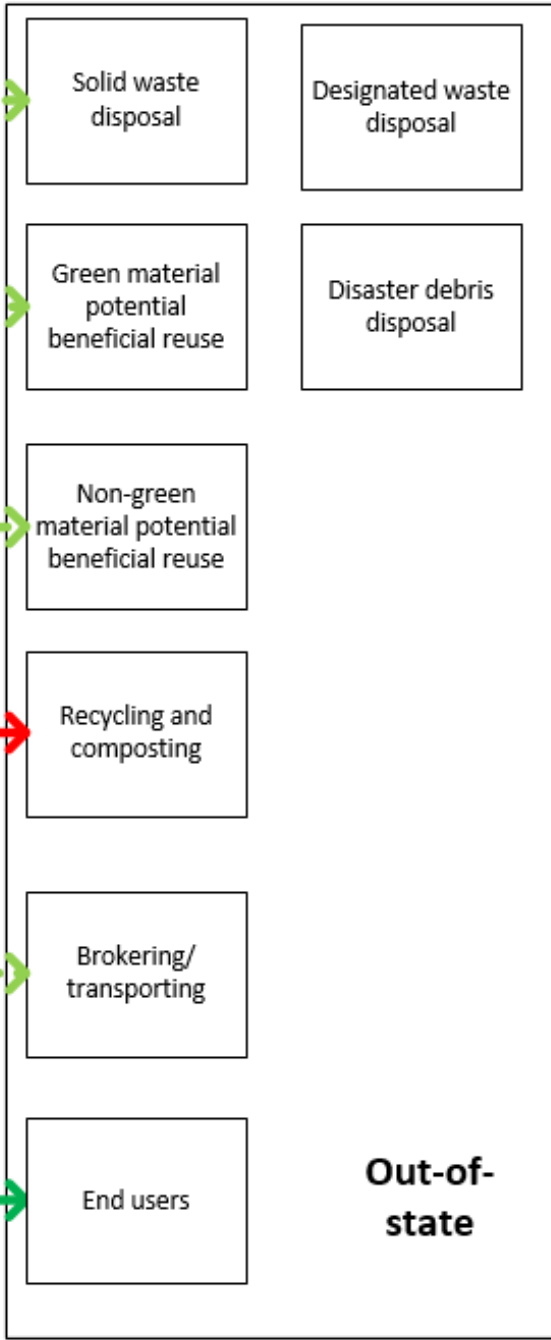
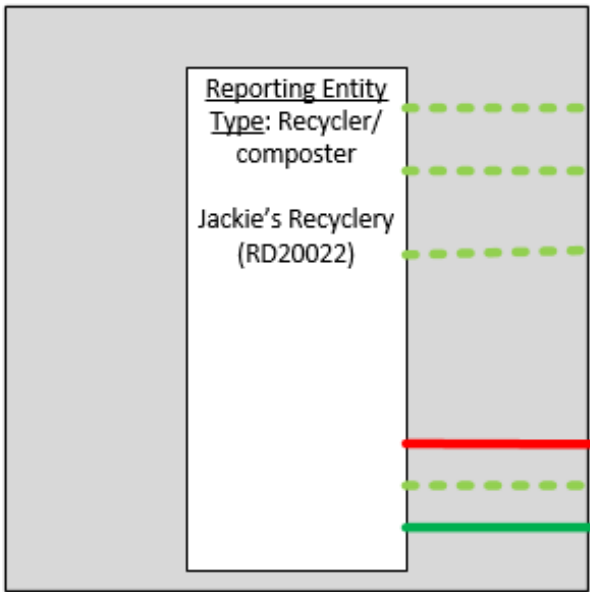
**Organization/Site:**  
**Jackie's Recyclery**



**In-state**

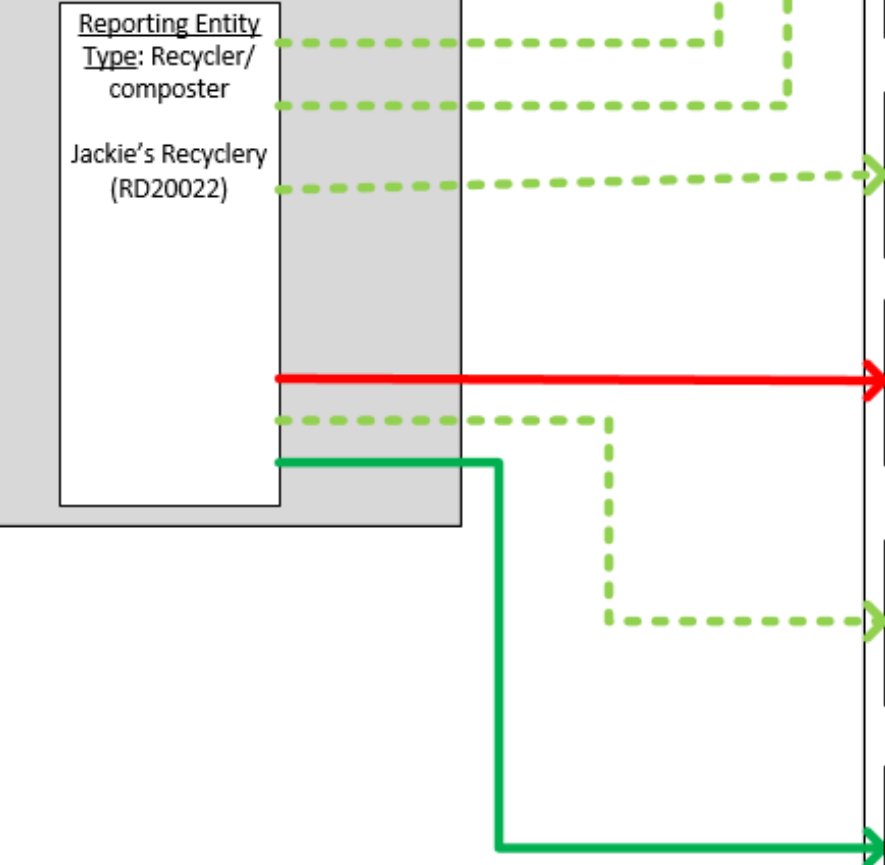
# RECYCLING AND COMPOSTING FACILITIES AND OPERATIONS: OUT-OF-STATE

**Organization/Site:**  
**Jackie's Recyclery**



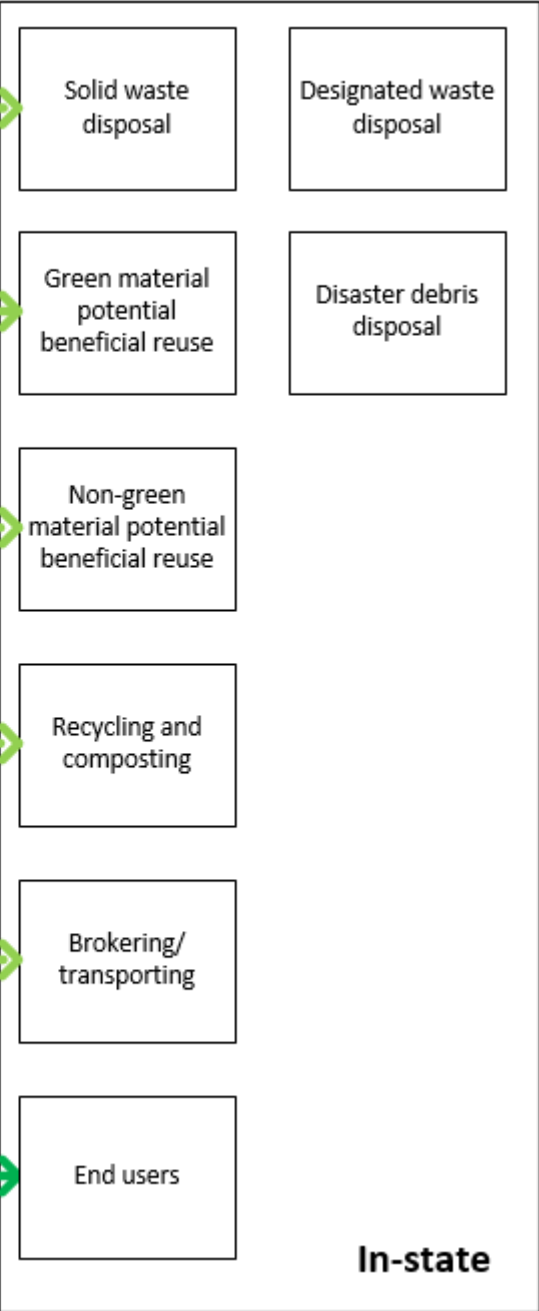
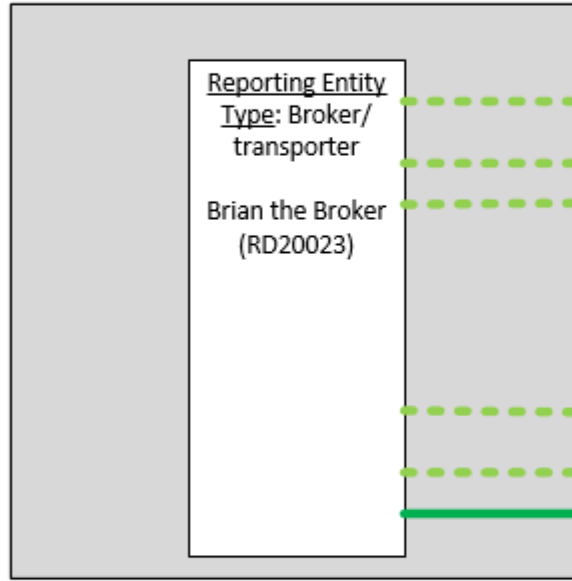
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# BROKERS AND TRANSPORTERS: IN-STATE

**Organization/Site: Brian  
the Broker**



### Legend

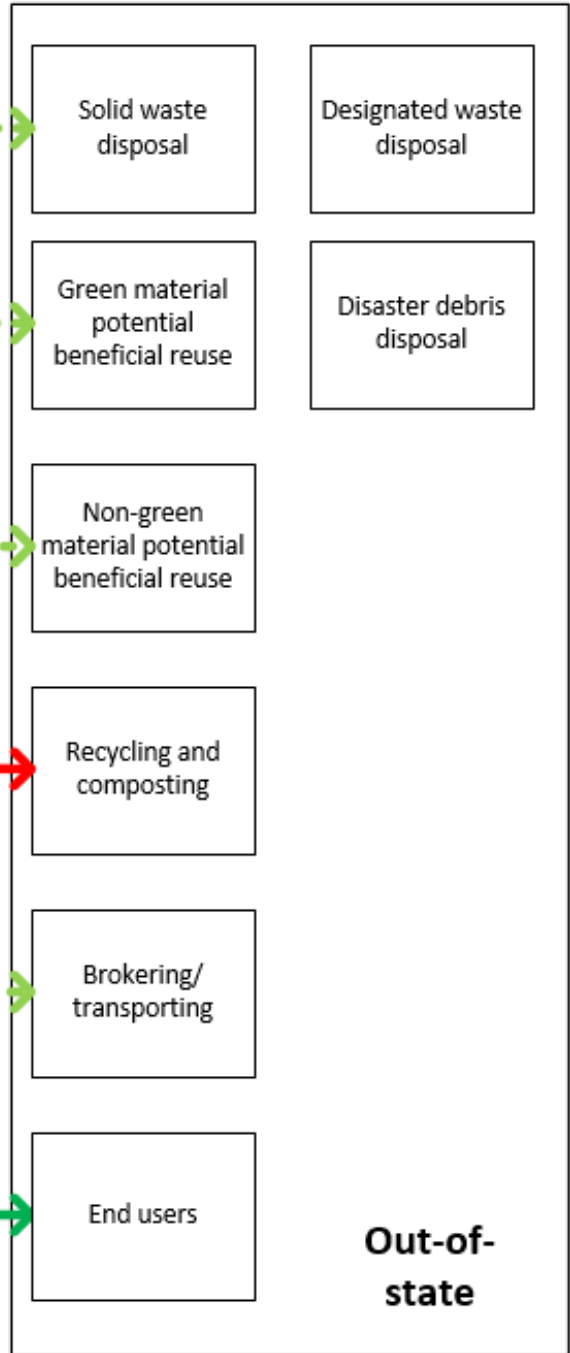
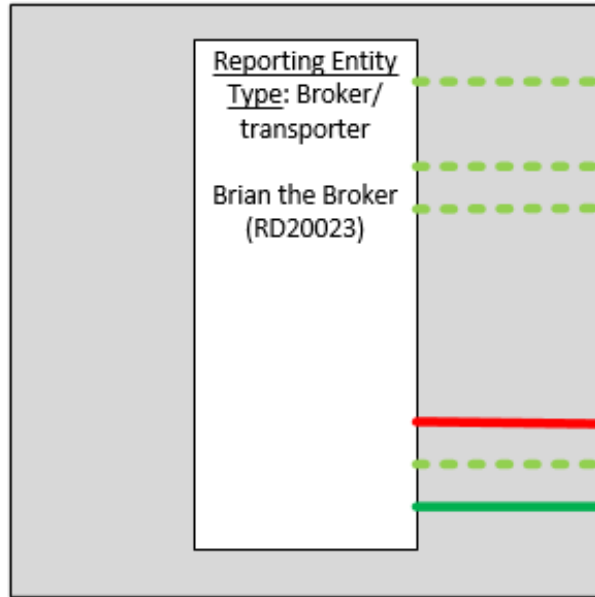
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- Report – Tons by material type and region





# BROKERS AND TRANSPORTERS: OUT-OF-STATE

**Organization/Site: Brian  
the Broker**



## Legend

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- Report - Tons by material type and RDRS#/contact information
- Report – Tons by material type and region



# Reporting Methods

Stream	What information should be recorded
Solid waste disposal	<ul style="list-style-type: none"> <li>• Tons</li> <li>• Jurisdiction of origin</li> <li>• Source sector</li> <li>• RDRS number and contact information (if applicable)</li> </ul>
Disaster debris disposal and designated waste disposal (separately)	<ul style="list-style-type: none"> <li>• Tons</li> <li>• RDRS number and contact information (if applicable)</li> </ul>
Green material potential beneficial reuse	<ul style="list-style-type: none"> <li>• Tons</li> <li>• Jurisdiction of origin</li> <li>• RDRS number and contact information (if applicable)</li> </ul>
Non-green material potential beneficial reuse; recycling and composting; and broker/transporter (separately)	<ul style="list-style-type: none"> <li>• Tons</li> <li>• Material type</li> <li>• RDRS number and contact information (if applicable)</li> </ul>
End user	<ul style="list-style-type: none"> <li>• Tons</li> <li>• Material type</li> <li>• End user category by region</li> </ul>

# REPORTING MATERIAL TYPE

- Indicate in quarterly report which methods were utilized
- Material type
- Estimating tonnages
- Estimating source sector for solid waste

# METHODS

- Report all material sent to a disposal facility as solid waste.
  - Exception: Food waste self-haulers, recycling and composting facilities and operations, and entities sending potential beneficial reuse material to a disposal facility.
- Report materials at the level of segregation at the time they were sold or transferred. It is not necessary to further sort or characterize material beyond that point.
  - Report "grades" of material if that is how it was sold
  - Report based upon applicable industry standards.
  - Report mixed materials as mixed or commingled materials or based on applicable industry standards.
  - Report solid waste mixed with other materials as solid waste.

# REPORTING BENEFICIAL REUSE – ADC/AIC

- Report tons of ADC and AIC sent/accepted for use by the following material types:
  - Ash and cement kiln dust materials
  - Construction and demolition wastes and materials
  - Compost materials, which include residuals left over from the composting process
  - Green material
  - Contaminated sediment, dredge spoils, foundry sands, energy resource exploration, and production wastes
  - Processed construction and demolition wastes and materials
  - Shredded tires
  - Sludge and sludge-derived materials
  - Treated automobile shredder waste
  - Other material types approved for beneficial reuse by the EA (specify)

# REPORTING BENEFICIAL REUSE – ADC/AIC (CONT'D)

- Report tons of each material type sent/accepted for use as:
  - Alternative Daily Cover
  - Alternative Intermediate Cover
  - Construction
  - Landscaping and erosion control
- Report according to the standard rules for reporting material type
- Do not include tons of clean or contaminated soil used as cover material, such as daily cover, or for any other uses at the disposal facility

# JURISDICTION OF ORIGIN

- "Jurisdiction of origin" is the place within which material was generated
- Under RDRS, jurisdiction of origin is only required for solid waste.
- A hauler shall provide the jurisdiction of origin at the time of delivery, unless both the hauler and the receiving facility have agreed to periodic reports that will be submitted to the receiving reporting entity within 30 days of the end of the reporting period.
- The hauler shall use any of the following methods to estimate the percentage of solid waste from each jurisdiction:
  - Actual tons collected from each jurisdiction
  - Total volume of bins emptied from each jurisdiction
  - Billing records for customers in each jurisdiction
  - Company dispatcher records of hauling routes and generator locations



# JURISDICTION OF ORIGIN (CONT'D)

- A transfer/processor or disposal facility shall determine the jurisdiction of origin for each load of material accepted by:
  - Asking each person bringing materials at the time of delivery
  - Using periodic reports from the entities delivering materials
  - Other methods to capture the information on each load as it arrives
- If a gatehouse attendant is present for at least one week per quarter, they shall collect jurisdiction of origin information on each load for which they are present.
- If a gatehouse attendant is not present for at least that duration, the facility shall additionally conduct an origin survey at least once per reporting period and for one week in duration. A facility shall apply the jurisdiction percentages obtained during the survey week(s) to tonnages that have not been assigned to a jurisdiction of origin in the reporting period.

# JURISDICTION OF ORIGIN (CONT'D 2)

- A transfer/processor or disposal facility without a gatehouse attendant present for any of the business hours that only accepts material from specified jurisdictions may assign the solid waste to those jurisdictions based on:
  - Facility usage agreements and restrictions
  - Property records
  - Other records that are representative of the jurisdictional breakdown of the material received.
- A transfer/processor or disposal facility without a gatehouse attendant present during any business hours that has no representative basis for determining jurisdiction of origin may assign the solid waste to the jurisdiction in which the facility is located (host-assigned).

# JURISDICTION OF ORIGIN (CONT'D 3)

- A transfer/processor shall determine jurisdiction of origin for solid waste and green material potential beneficial reuse sent to a disposal facility or another transfer/processor based on allocations of inbound materials.
- A transfer/processor may adjust the allocations of inbound percentages from facilities or haulers based on facility-specific practices, such as:
  - Tracking and sorting individual loads
  - Segregating the flows from jurisdictions
  - Gathering other relevant information on the composition and recoverability of the materials from each facility or jurisdiction.
- Recycler/composters and broker/transporters shall host-assign jurisdiction of origin for solid waste/green material potential beneficial reuse sent

# SOURCE SECTOR

- "Source sector" means one of these three sources from which solid waste is generated:
  - Contract-hauled single-family residential (e.g., houses)
  - Contract-hauled commercial/multi-family residential (e.g., businesses and apartments)
  - Self-hauled (e.g., hauled by a generator)
- Disaster debris – assign to "self-hauled" source sector
- Designated waste – assign to "self-hauled" source sector

# SOURCE SECTOR: T/PS AND DFs

- When required, a transfer/processor or disposal facility shall estimate the overall tonnages or percentages from each source sector for disposal using any of the following methods:
  - Assigning source sector based on vehicle type, such as:
    - Small vehicles (autos, pickups, small trailers) – self-hauled
    - Side loaders – residential
    - Front loaders – commercial
  - Assigning source sector based on billing records, such as:
    - Cash accounts – "self-hauled"
    - Accounts with jurisdictions/haulers for residential routes – residential
    - Accounts with jurisdictions/haulers for commercial routes – commercial
  - Using periodic reports from haulers on the source sectors of their routes. May request, but not require periodic reports from a hauler.

# SOURCE SECTOR (CONT'D): T/PS AND DFs

- Additional methods to estimate source sector for solid waste:
  - Asking the driver delivering each incoming load
  - Assigning disaster debris and designated waste as "self-hauled"
  - Assigning residual disposal and material sent by the following entities as "self-hauled":
    - Recycling and composting facilities and operations
    - Brokers and transporters
    - Disposal facilities
- If transfer/processor lacks attendant and is unable to estimate source sector based on one of the methods above, assign all tonnage to the sector that makes up most of the delivered material based on operator observations of the site traffic or material disposed.

# SOURCE SECTOR: HAULERS

- Food waste self-haulers – "self-hauled" source sector
- Contract haulers, if asked for information on source sector, shall provide the information at the time of delivery unless the hauler and the receiving facility have previously agreed to periodic reports in lieu of providing information at the time of delivery. Provide report at least 30 days prior to reporting deadline. Use any of the following methods to estimate overall tonnages or percentages of disposal from each source sector sent to the receiving facility:
  - Vehicle type
  - Billing records
  - Dispatcher records of hauling routes, total bin volumes from each source sector, or total weights from each source sector
  - Assigning disaster debris and designated waste to "self-hauled"

# SOURCE SECTOR (CONT'D)

- A reporting entity cannot be subject to penalties in section 18815.10 for inaccuracies or errors in source sector reporting if a method in this section is used.



# ESTIMATING & REPORTING TONNAGES

- A reporting entity who uses certified scales to measure a transaction by weight shall use that measurement, and not an estimate based on volume, when compiling and submitting their report to the Department.
- A reporting entity who does not use certified scales, but uses non-certified scales to measure a transaction by weight shall use that measurement, and not an estimate based on volume, when compiling and submitting their report.
- A reporting entity shall use scales to measure tons, (unless they meet one of the exemptions contained on the following slide).

# EXEMPTIONS TO USING SCALES

- Exemptions to using scales to measure tons:
  - Self-haul loads at a transfer/processor or disposal facility may be estimated using volume-to-weight conversion factors.
  - Total contract-hauled inbound tons may be subtracted from the total tons disposed to estimate "self-haul" source sector tonnages.
  - If a transfer/processor accepts an annual average of less than 100 tons of material per operating day (or less than 200 tons per operating day if located in a rural city or county), then they may use volume-to-weight conversion factors or report tonnages weighed at the receiving facility.

# EXEMPTIONS TO USING SCALES (CONT'D)

- Exemptions to using scales to measure tons:
  - If a reporting entity sells or transfers materials other than solid waste based on volume, they may use material-specific volume-to-weight conversion factors
  - If a reporting entity sends material to another reporting entity with a different RDRS number located at the same site using a conveyance system, estimate and report tonnages transferred by using volume-to-weight conversion factors, flow rates, or belt scales.
  - The disposal facility does not have access to scales and does not receive more than 4,000 tons of solid waste per year from contract haulers (excluding disaster debris)

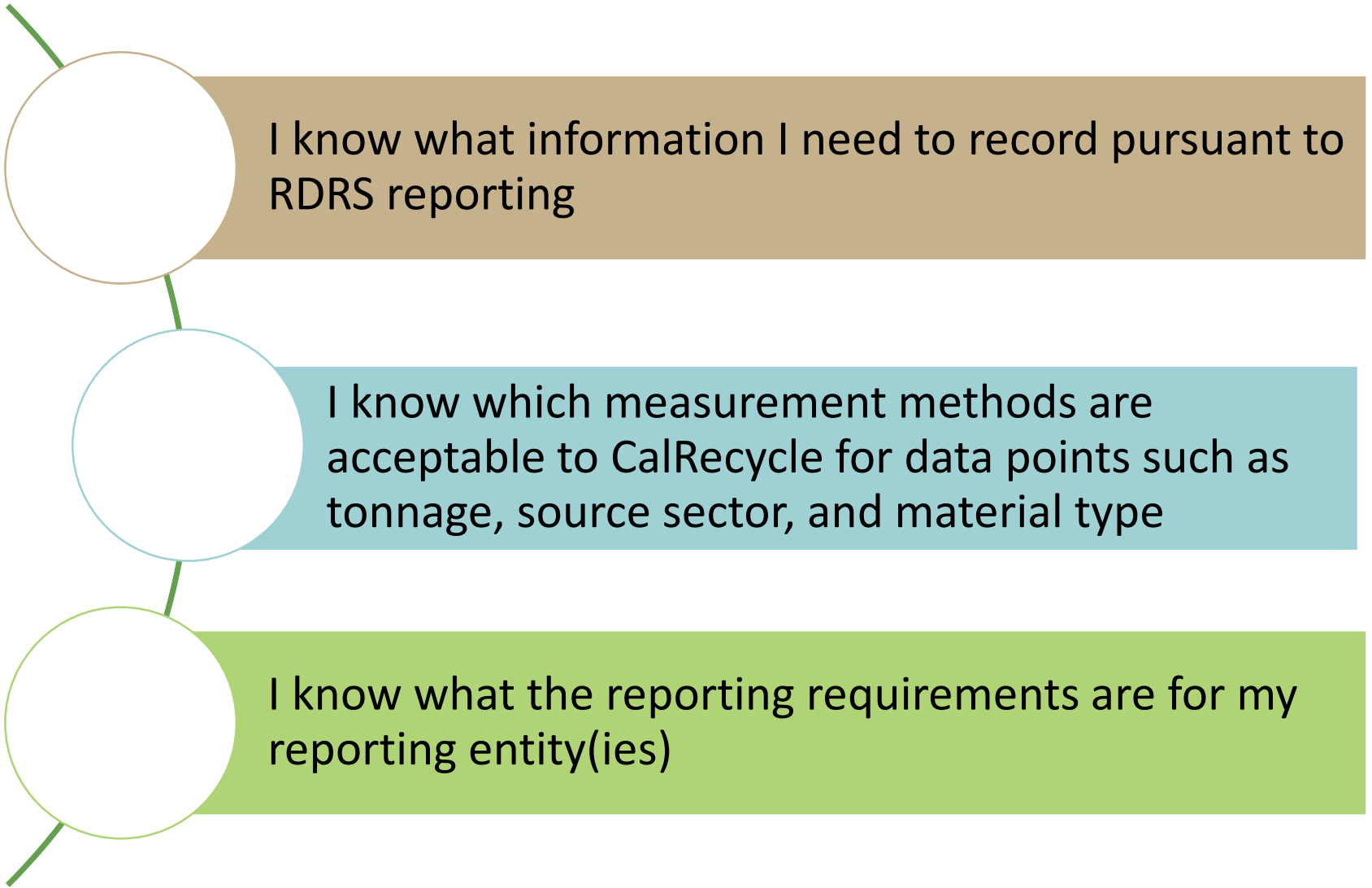
# EXEMPTIONS TO USING SCALES (CONT'D 2)

- Exemptions to using scales to measure tons:
  - The disposal facility is located in an area prone to inclement weather for three months or more of the year, which does not allow for the adequate operation and maintenance of scales
  - The disposal facility is so remote that the availability of an electric utility to power the scales is prohibitive.
- If volume-to-weight conversion factors are utilized:
  - Indicate in report if conversion factors were used to estimate tons
  - Retain documentation on the basis and usage of factors
  - Update factors every three (3) years
  - Department may require revisions to factors if found unsatisfactory

# TONNAGES TRANSFERRED ON A SITE

- Facilities and operations with the same RDRS number and located on the same site are not required to report tonnages transferred.
- A reporting entity who sends separated recyclables or separated organics to another reporting entity with a different RDRS number located on the same site is not required to report those transferred tonnages. The reporting entity responsible for the off-site sale or transfer of the aggregated material shall report the appropriate tonnages.
- A reporting entity who sends solid waste or potential beneficial reuse material to a transfer/processor or disposal facility with a different RDRS number shall report this information.
- Transfer/processors and disposal facilities shall report tons of solid waste generated on-site by dependent recycling and composting activities.

# LEARNING OBJECTIVES REVISITED



I know what information I need to record pursuant to RDRS reporting

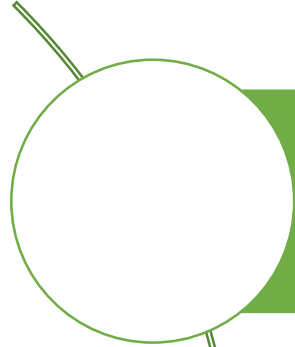
I know which measurement methods are acceptable to CalRecycle for data points such as tonnage, source sector, and material type

I know what the reporting requirements are for my reporting entity(ies)

**CalRecycle**

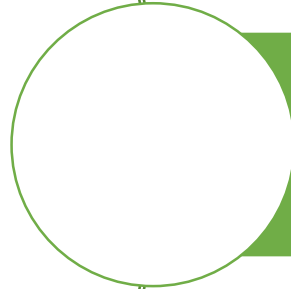


**STAY  
ENGAGED**



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