



Comprehensive Municipal Solid Waste, Recycling and Moderate Risk Waste Management Plan



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Contents

1.0 Purpose	3
1.1 Objective	3
1.2 Background	3
1.3 Executive Summary	4
2.0 Current Conditions	6
2.1 Collection Services	6
2.1.1 MSW Residential Collection	6
2.1.2 MSW Multi-family Collection	6
2.1.3 MSW Commercial Collection	6
2.1.4 MSW Eastern Washington University Collection	6
2.1.5 Miscellaneous Collection	6
2.1.6 MSW Self Haul Service	7
2.1.7 Recycling Collection Service	7
2.1.8 Clean Green Waste Collection	7
2.1.9 Cheney Clean Sweep	7
2.1.10 Large Item Pick up Collection	8
2.2 Disposal and Generation	8
2.2.1 MSW Disposal	8
2.2.2 Miscellaneous Disposal	8
2.2.3 MSW Generation	8
2.2.4 MSW Deficiencies	9
2.2.5 Recycling Products Disposal	9
2.2.6 Clean Green Waste Disposal	9
2.3 Education Program	10
2.3.1 Utility Bill Newsletter	10
2.3.2 Utility Bill Inserts	10
2.3.3 City of Cheney Website	10
2.3.4 Volunteer Program	10
2.4 Planning	11
2.4.1 Cheney Comprehensive Land Use Plan	11
2.4.2 Capital Facilities Plan	11
2.4.3 Level of Service	12
2.4.4 Administration and Enforcement	12
2.4.5 Public Participation	13
3.0 Alternatives and Solutions	14
3.1 MSW Disposal	14
3.2 MSW Self-Haul Service	14
3.3 MSW Transfer Station	14
4.0 Moderate Risk Waste	16
4.1 MRW-Existing Conditions	16
4.2 MRW-Disposal	16

4.3 MRW-Small / Large Businesses	16
4.4 MRW Education & Outreach	16
4.4.1 Utility Bill Newsletter	16
4.4.2 Utility Bill Inserts.....	16
4.4.3 City of Cheney Website.....	16
4.4.4 Cheney Clean Sweep.....	17
4.4.5 MRW Plan and Update	17
4.4.6 Plan Implementation Recommendations	17
5.0 Recommendations	18
6.0 Appendices	19

6.0 Appendices

- Appendix 1: Spokane Regional Solid Waste Management System Interlocal Agreement
- Appendix 2: Comprehensive Solid Waste Management Study 2012-2031
- Appendix 3: Solid Waste Residential Curb Side Service and Recycling Facility Map
- Appendix 4: Capital Facilities Plan 2020-2025
- Appendix 5: Cheney Municipal Code Chapter 8.12 Solid Waste Disposal
- Appendix 6: Cheney Municipal Code Chapter 8.16 Yard Waste Disposal
- Appendix 7: Projected Needs and Financing for Solid Waste Handling
- Appendix 8: SEPA DNS & Checklist
- Appendix 9: Resolution Adopting Cheney Comprehensive Municipal Solid Waste, Recycling, and Moderate Risk Waste Management Plan
- Appendix 10: City of Spokane - Interlocal Agreement for disposal of MSW
- Appendix 11: Contamination Reduction and Outreach Plan (CROP)

Web Site References:

Cheney Comprehensive Plan 2010 to 2030:

<http://www.cityofcheney.org/long-range-planning>

1.0 Purpose

1.1 Objective

In 2009, the City of Cheney took control of its solid waste stream and in conformance with its *Comprehensive Municipal Solid Waste, Recycling, and Moderate Risk Waste Plan (CMSWRMRWP)*, arranged for all aspects of management as required under RCW 36.58, RCW 70A.205, RCW 70A.300, RCW 70.165, WAC 173-350 in Municipal Solid Waste (MSW), Moderate Risk Waste (MRW), and Waste Reduction and Recycling in compliance with other required applicable state laws and regulations. The City committed to selecting management alternatives that minimize long-run costs to ratepayers while maximizing future flexibility to produce a sustainable long-range solution to municipal solid waste, recycling and moderate risk waste. This plan encompasses only the corporate limits of the City of Cheney.

1.2 Background

In 1987, an interlocal agreement with the City of Spokane, Spokane County and other local governments was entered into for the purpose of constructing the Spokane Regional Solid Waste Disposal Facility ("WTE") to manage the handling and disposal of solid waste generated within the City and unincorporated areas of the County. To ensure solid waste would be delivered to the WTE, the County agreed, through its police power, to designate the system as the sole site for disposal of solid waste collected within the unincorporated area through a "flow control ordinance." On September 28, 1989, the City of Cheney, through an interlocal agreement agreed and covenanted to exercise its police power and direct the deposit of solid waste within its corporate limits to the WTE. (Appendix 1) This interlocal agreement was based upon an adopted Spokane County Solid Waste Management Plan. The interlocal agreement provided for a term of 25 years, or for so long as bonds for the facility remained outstanding.

In 2009, the City of Cheney elected to manage and operate the collection of solid waste within its corporate limits. The City acquired equipment, facilities, and necessary personnel in order to collect and transfer its solid waste. The City adopted an emergency solid waste management plan for the purpose set forth in this paragraph and on January 1, 2010, began its solid waste operations.

Washington State law assigns primary responsibility for solid waste handling to local governments such as a city. To properly collect, transport, and dispose of solid waste, to include recovery and recycling, cities must engage in and adopt plans for solid waste management. This can occur in one of three ways. A city may (1) adopt a solid waste plan for integration into the comprehensive county plan, (2) enter into an agreement with the county whereby the city participates in preparing a joint city-county plan, or (3) authorize the county to prepare a plan for the city's solid waste management, which will become part of the county comprehensive plan (RCW 70A.205.040). Through this document, the City of Cheney desires to adopt its own solid waste management plan for integration into the County Comprehensive Solid Waste Management Plan, to the extent such provisions of the County Plan are relevant to the collection and disposal of solid waste in the City of Cheney.

As part of the development of this Comprehensive Solid Waste Management Plan, the City conducted a Comprehensive Solid Waste Management Study (CSWMS). Cheney's *CMSWRMRWP* recommends alternatives identified in the Comprehensive Solid Waste Management Study. In development of the *CMSWRMRWP*, the Public Works and Utilities Committee (formerly the Public Works Advisory Committee) consists of three City Council members reviews the plan and public comments. The PWUC meets to review Public Works related items. The PWUC further assisted in the development of programs

and policies concerning solid waste handling and disposal to include review and comment on City policies and ordinances presently in existence and to be adopted. The PWUC further reviews levels of service in the collection, waste reduction and recycling element of the *CMSWRMRWP*. This plan has also been developed in consultation with the Washington State Department of Ecology.

1.3 Executive Summary

The City's current collection operation of MSW, recycling, and clean green will continue as currently provided including management of recycling and clean green waste. Alternative requirements as part of the City's own *CMSWRMRWP* include alternatives and solutions for MSW disposal, MSW self-haul, and Moderate Risk Waste (MRW) management of collection, disposal, and education.

The City of Cheney provides municipal solid waste (MSW) collection services within its municipal jurisdictional boundaries. Cheney provides mandatory weekly MSW services that includes residential automated cart service; multi-family residential automated cart, dumpster or roll-off compactor service, commercial automated cart, dumpster, roll-off container, or roll-off compactor service. Other services include subscription dumpster and roll-off services, and large item curbside pickup service.

City of Cheney currently contracts with the City of Spokane (Appendix 1) for disposal of all MSW collected within its jurisdictional boundaries to the Spokane Waste to Energy Plant located at 2900 S. Geiger Blvd., Spokane, approximately 12 miles from Cheney.

Currently, citizens of Cheney can self-haul disposal items to one of the three Spokane County regional collection sites. These sites collect a fee for disposal of MSW and clean green waste, and provide free drop off services for Moderate Risk Waste (MRW) and recycling products. Funding for the free MRW and recycling programs are paid through MSW gate fees collected at one of the three regional system disposal sites and regional Ecology LSWFA grants. The gate fees are collected from self-haulers, or through mandatory and subscription collection contractors or municipalities that are required to dispose MSW at one of the three regional facilities.

The Cheney Recycling Facility and Clean Green drop off center (a source separated recycling center is located at 100 Anderson Road. The Clean Green drop center is open from dawn to dusk during the months of March through November. In addition to the Clean Green drop off center, the City's Solid Waste Division provides Clean Green curbside service picked up once a week. Clean Green curbside service is subscription based, with service offered from April to October of each year.

The City of Cheney currently manages its education program through utility bill newsletters and inserts, City website, and volunteer programs through citizens, businesses, public schools and Eastern Washington University.

The Plan is to continue existing solid waste services as currently provided and recommends collection and disposal alternatives and solutions as a means to improve solid waste disposal of MSW, self-haul collection and disposal, and collection and disposal of MRW. The alternatives are identified in the Cheney Comprehensive Solid Waste Management Study 2012-2031 and have been discussed in this document.

The current interlocal agreement between Cheney and City of Spokane allows MSW disposal to continue at the Waste to Energy Plant. Alternatively, we may contract with an area transfer station for the disposal of its MSW (CSWMS 2012-2031, Section 1.3, Alternative C). The term of this contract at the selected transfer station will be based on tonnage costs and updated feasibility study as a decision tool to provide

an option for the City to construct its own transfer station as described in section 3.3 and identified in CSWMP, Section 1.4. Currently the City has selected a site to construct its own transfer facility within its jurisdiction with design, permitting, and construction completion by 2024, if necessary, although the City has not found it necessary at this time.

As provided in section 2.1 collection services, Cheney residents are provided the opportunity to dispose of items that are not part of their mandatory collection services through the City's annual Clean Sweep event (section 2.1.9) and large item pick up (Section 2.1.10). Currently, residents of Cheney can also self-haul disposal items to one of the three regional disposal sites.

MRW which does not generate sufficient volumes to make continuous acceptance at the Cheney Recycling Facility feasible, the City of Cheney will incorporate MRW into its annual Cheney Clean Sweep event. The collection site during this event (which occurs annually) will be at the Cheney Recycling Facility and MRW products will be collected that day and removed from the site immediately following the event. The City will contract for MRW disposal from a certified contractor. This program will require substantial education and encouragement as the part of the City's Educational Program (section 2.3). Residents will regularly be encouraged throughout the year to utilize the services available at the Cheney Recycling Center, and to save up MRW which cannot be accepted at the Recycling Facility, and hold it for the disposal event. The Cheney Solid Waste Division will advertise the date and location of MRW collection event well in advance, and accommodate drop-off acceptance of these materials. If residents choose, they may self-haul MRW to the WTE and pay any appropriate fees at the facility as a resident within the county.

2.0 Current Conditions

The City of Cheney provides municipal solid waste (MSW) collection services within its municipal jurisdiction. Cheney provides mandatory weekly MSW services that includes residential automated cart service; multi-family residential automated cart, dumpster, or roll-off compactor service; commercial automated cart, dumpster, roll-off container, or roll-off compactor service, and Eastern Washington University 40 cubic yard compactor service. Other services include subscription dumpster and roll-off services, and large item curbside pickup service. MSW generated from residential and commercial customers are currently disposed at the Regional Waste to Energy (WTE) Plant located at 2900 S. Geiger Blvd., Spokane, approximately 12 miles from Cheney.

The Cheney Recycling Facility and Clean Green drop off center are located at 100 Anderson Road. The Clean Green drop center is open from dawn to dusk during the months of March through November. In addition to the Clean Green drop off center, the City's Solid Waste Division provides Clean Green curbside service picked up once a week. Clean Green curbside service is subscription-based with service offered from April to October of each year.

In 2012, the City of Cheney conducted an analysis and feasibility study for addressing MSW, recycling, clean green, and moderate risk waste. This document titled **City of Cheney Solid Waste Comprehensive Management Study 2012 to 2031** provides the best management alternatives for collection and disposal needs and is incorporated in Cheney's *CMSWRMRWP*. (Appendix 2)

2.1 Collection Services

2.1.1 MSW Residential Collection Service

MSW collection service for residential automated cart include subscription service for weekly pick up for a 64-gallon, 96-gallon cart, or a 20-gallon conservation cart. Collection service for residential automated carts is provided weekly, Monday through Thursday depending on the location of service as described in the residential service area map. (Appendix 3.0)

2.1.2 MSW Multi-family Collection Service

MSW collection service for multi-family units are provided either through automated cart service, for smaller multi-family units (e.g., duplex, triplex, 4-plex), dumpster service at capacities of 1 to 8 cubic yards, or roll-off compactor service at capacities of 10 to 40 cubic yards. Collection service for multi-family residential are provided weekly Monday through Friday, depending on the location of service. Determination of multi-family collection needs is determined individually on a case-by-case basis. Based on route sheets and via the City's billing system, the City maintains a list of multi-family units that are served throughout the city.

2.1.3 MSW Commercial Collection Service

MSW collection service for commercial are provided either through automated cart service, for smaller commercial businesses, dumpster service at capacities of 1 to 8 cubic yards, roll-off service at capacities of 10 to 40 cubic yards, or roll-off compactor service at capacities of 10 to 40 cubic yards. Collection service for commercial are provided weekly Monday through Friday, depending on the location of service.

2.1.4 MSW Eastern Washington University Collection Service

Eastern Washington University collects MSW around the university campus to a central location into a 40 cubic yard compactor unit that is serviced by the City of Cheney through its roll-off compactor service.

2.1.5 Miscellaneous Collection Services

Other collection services provided by the City of Cheney includes subscription dumpster services at capacities of 1 to 6 cubic yards and roll-off container services at capacities of 10 to 40 cubic yards. Additional services include large item curbside collection through customer request. Miscellaneous waste generated within the City of Cheney for City collection services include MSW, regulated asbestos waste, construction, demolition, land clearing and inert waste (CDL&I). Fees for miscellaneous collection services are set by City Council Resolution and available is available upon request or on the City of Cheney website

2.1.6 MSW Self Haul Service

Currently through the Regional Solid Waste Management System, citizens of Cheney can self-haul disposal items to one of the three Spokane County regional collection sites. These sites collect a fee for disposal of solid waste and clean green waste, and provide free drop off services for Moderate Risk Waste (MRW) and recycling products. Funding for the free MRW and recycling programs are paid through MSW gate fees collected at one of the three regional system disposal sites and regional Ecology LSWFA grants. The

gate fees are collected from self-haulers, or through mandatory and subscription collection contractors or municipalities that are required to dispose MSW at one of the three regional facilities.

2.1.7 Recycling Collection Service

Cheney opened its Recycling Facility in 1994. The Recycling Facility is located at 100 Anderson Road in Cheney. Recycling products accepted at the facility include:

- Ferrous and non-ferrous metals
- Batteries (household)
- Cardboard (corrugated)
- Paper Products (colored ledger paper, computer paper, magazines, newspapers, phone books, white ledger paper)
- Aluminum
- Plastic Products (HDPE and PETE)

2.1.8 Clean Green Collection Service

Clean Green Collection is located at 100 Anderson Road in Cheney next to the Recycling Facility. The Yard Waste Facility is a free drop-off service to residents of Cheney from March to November, weather permitting. The collection site consists of three roll-off containers for drop-off disposal that are easily accessed by Cheney residents that choose to self-haul. In addition to the drop-off site for disposal of clean green materials, Cheney citizens can subscribe for curbside cart service that is picked up once a week from April to October of each year. Commercial landscape businesses are required to pay an annual permit fee for the disposal of yard waste collected within the city limits.

The following yard waste materials are acceptable for disposal:

- leaves
- grass clippings
- pinecones
- pine needles
- weeds (except herbicide tainted material)

Brush, pruning and branches are also acceptable yard waste material but must be no larger than two inches in diameter and four feet in length.

2.1.9 Cheney Clean Sweep

Cheney Clean Sweep, started in 2010, is an annual, one day, Saturday event in April that allows citizens of Cheney to self-haul disposable and large recyclable items to a primary collection area located in the city. Recycling items include construction debris, metals, tires, and office shredding service. The City provides dumpsters for MSW, and source separated construction debris and metals that are deposited in roll-off containers. Tire disposal and shredding services are sponsored by local businesses. During the event, over 200 volunteers walk the streets and alleys picking up litter and trash. This event has proven to be a success as the community offers this program annually. There is no charge for disposal for citizens during this event.

2.1.10 Large Item Pick up

Large Item Pick up is a subscription for curbside pick-up for customers wanting to dispose of large items not fitting into their cart. Prior to the Cheney Clean Sweep event, the City mails out large item pick up information in utility bills to citizens of Cheney providing them the opportunity to sign up for this low-cost disposal of large items. These large items are collected at the residents' curb on the same day as their scheduled MSW garbage. Large Item Pick up continues to be offered on an annual basis.

2.2 Disposal and Generation

2.2.1 MSW Disposal

The City of Cheney currently disposes all MSW collected within its jurisdictional boundaries at the Spokane Waste to Energy Plant located at 2900 S. Geiger Blvd., Spokane, approximately 12 miles from Cheney. Spokane County and Spokane Municipalities are required to transfer all Municipal Solid Waste (MSW) to one of the three regional disposal sites which include the North Transfer Station, Valley Transfer Station, or the Waste to Energy Plant.

2.2.2 Miscellaneous Disposal

The City of Cheney currently disposes all of its construction, demolition, land clearing, and inert waste (CDL&I) to Graham Road limited-purpose landfill located west of Airway Heights, at 1820 S. Graham Road, Medical Lake, WA. The Graham Road Facility is owned and operated by Waste Management. There is contract for this service. Whomever the disposer is, they pay the disposal fee at the gate. If the City hauls, the city pays the gate and/or tonnage fee, and that is passed on to the customer.

2.2.3 MSW Generation

The total MSW tonnage generated within the city of Cheney is expected to increase by 24% by 2040 (Table 2.2.1). This solid waste generation forecast is based upon population figures in the 2017 to 2037 City of Cheney Comprehensive Plan. The forecast assumes a 1.4% annual average population growth over the next 20 years. This figure was then used to forecast the growth in residential tonnage using a 0% per-capita yearly increase in waste generation due to ongoing recycling education.

The forecast applies a 1% annual growth rate in all other waste generation, which should grow at close to the same rate as the population.

Table 2.2.1

	2016	2021	2025	2030	2040
Population	11,650	12,323	12,890	13,635	15,256
Total Generation (tons)	6,486	6,861	7,177	7,591	8,494
Residential Generation (tons)	4,660	4,929	5,156	5,454	6,102
Commercial Generation (tons)	1,826	1,932	2,021	2,137	2,392
Per Capita Residential (tons)	0.40	0.40	0.40	0.40	0.40
* Note, this assumes 0% per year increase in per capita generation.					
** Note, 2016 generation and population figures are actual.					
Projected annual increase in percapita generation			0%		
Base population Year			2016		
Average Annual Population Growth Rate			1.1%		
Average Annual Growth in other waste			1.0%		

2.2.4 MSW Deficiencies

The City does not have any deficiencies in its solid waste handling facilities as identified in the *Comprehensive Solid Waste Study 2012 to 2031*. Several alternatives identified in this study provide the City with flexibility in providing its citizens low-cost collection and disposal alternatives and solutions.

2.2.5 Recycling Products Disposal

The Cheney Recycling Facility can accommodate all current recycling volumes to its citizens in the City of Cheney. The City of Cheney Solid Waste Division transports separated cardboard, paper products, plastic products, and metals to local recycling vendors. Used batteries and motor oil are collected on site and disposed of through vendors. Proper testing of motor oil for contamination is provided by solid waste staff and verified through vendor at disposal.

2.2.6 Clean Green Waste Disposal

The Cheney yard waste drop-off area consists of roll-off disposal bins placed for easy access by residents. This set-up is currently undersized and will need to be expanded or relocated. The proposal is to construct a drop off pad east of the current site to accommodate current and future volumes, which has not occurred as of 2020 (The 2020-2025 Capital Facilities Plan indicates expansion of the recycling and yard waste site beginning in 2021). In addition, this pad will reduce the risk of residents dumping into roll-off boxes. The new proposed site will allow more efficient operations in processing and hauling yard waste for bio-solids operation. Yard waste is mixed with the city's wastewater bio-solids to produce a compost product. Yard waste disposal volumes are consistent with the bio-solids operation and will accommodate capacity for future needs. The compost services are very popular with residents of the community, as we continue to offer this as a public service.

2.3 Education Program

2.3.1 Utility Bill Newsletter

The City of Cheney manages utilities (water, wastewater, solid waste, and electric) for its customers. Each month a newsletter is include in the utility bill that provides educational information spanning a broad range of topics. Information and education on solid waste, recycling, clean green, and compost are regularly seen in these newsletters.

2.3.2 Utility Bill Inserts

Utility bill inserts are provided occasionally in addition to the monthly newsletter and provide additional education items and specific program information. The annual Cheney Clean Sweep and Large Item Pick up events are activities which are promoted by these types of inserts.

2.3.3 City of Cheney Website

The City of Cheney manages its own website that includes educational areas, program information, activities, news items and calendar events. The website is designed to easily search out information for any user wanting information on a multitude of topics.

2.3.4 Volunteer Program

The City of Cheney promotes and manages its volunteer program primarily through public schools and Eastern Washington University. The majority of the volunteer programs are litter control programs, and EWU's fraternity and sorority organizations participate regularly in Cheney's "Adopt a Street" program. These volunteers pick up litter on designated streets monthly. Other volunteer programs include helping out at the Cheney Recycling, Parks facilities, and the annual Cheney Clean Sweep events where over 300 volunteers walk the city's streets and alleyways picking up litter.

2.4 Planning

In concert with the City’s Comprehensive Plan and the Growth Management Act, requires jurisdictions to identify specific facilities, include a realistic financing plan, and make adjustments to the plan if funding is inadequate. Capital facilities are important because they support the growth envisioned in the community.

The Public Works Department Solid Waste Division is responsible for the collection and disposal of the City’s MSW, clean green waste, and recyclables. As of December 31, 2009, the City of Cheney ended its contract with a private provider of collection and disposal services, opting to finance the operations, maintenance, and capital expenditures needed for the program. The Solid Waste Division’s capital needs include vehicle upgrades and replacements, facilities, and additional capital purchase as need exists. Current level of service (LOS) standards identify adequate capacity for MSW, recycling, and clean green collection and disposal.

2.4.1 Cheney Comprehensive Land Use Plan

The City Comprehensive Plan was adopted pursuant to the State of Washington Growth Management Act, RCW Chapter 36.70A. (<https://www.cityofcheney.org/193/Comprehensive-Plan-2017-2037>) The Comprehensive Plan contains a capital facilities element, which consists of an inventory of existing capital facilities, a forecast of the future needs of such facilities, the capacity of the facilities, a six-year plan that will finance the capital facilities (“Capital Improvement Program”) to include identifying sources of public money and a requirement to reassess the city land use element of the Comprehensive Plan if funding falls short. (RCW 36.70A.070 (3)) The City Comprehensive Plan contains a Six Year Capital Improvement Program, which includes solid waste handling facilities and related equipment with projected funds and financing. The City Comprehensive Plan, for the purposes set forth above, is hereby incorporated into this Section.

2.4.2 Capital Facilities Plan

The Solid Waste six-year capital and financing plan for capital projects (Appendix 4.0) describes the estimated dates and costs, and proposed methods of financing. The Plan is reviewed and updated annually. Capital facilities are the facilities needed to support growth. They include trucks, garbage disposal and recycling.

The table below outlines the six-year capital plan for Cheney’s Solid Waste Division.

Table 2.2 – Solid Waste Future Needs and Costs

Time Frame	Facility Needs	
0 to 6 Years	Description	Cost
	<ul style="list-style-type: none"> Commercial Front-End Loader Roll-Off Truck Replacement Residential Truck 	\$160K \$200K \$300K
7 to 20 Years		
	<ul style="list-style-type: none"> Solid Waste Transfer Facility Yardwaste Facility Expansion 	\$1.3M \$230K

The system management capital items, as well as the update to the Solid Waste Facility, are all related to addressing capacity needs for the operation. These will be funded through City solid waste rate revenues, recycling revenues, and other miscellaneous revenues.

2.4.3 Level of Service

The current Level of Service (LOS) for solid waste collection is 0.4tons (800 pounds) per capita. Based on a projected population increase of 3,096 additional residents in the next 20 years, while maintaining the same LOS, the City will need to fund capacity expansion to collect an additional 2,000 tons of solid waste.

The City of Cheney will be able to maintain the current LOS for its MSW collection, recycling collection and disposal, and Clean Green collection and disposal services. The City of Cheney continue to dispose of it's MSW at the City of Spokane Waste to Energy Plant.

The Recycling Facility and Clean Green waste disposal LOS has substantial capacity to accommodate future collection and disposal of source-separated recycling products and clean green waste. Currently recyclable products are monitored annually as recycling habits change and markets open new opportunities for other types of recyclables. The LOS for Clean Green waste combines the Clean Green waste with the City's Wastewater Treatment bio-solids process to make a saleable byproduct, Eco-Green compost. The system currently has capacity to meet future clean green waste disposal needs.

The annual budget process provides recommendation for changes of recycling products based on market conditions and operational feasibility to continue collection and marketing of these products.

The level of service for solid waste collection is set forth in the capital facilities element of the City Comprehensive Plan. In addition, the level of service for the waste reduction and recycling element of this solid waste management plan to include the services required by RCW 70.95.090 is covered in the Comprehensive Solid Waste Management Study 2012-2031.

2.4.4 Administration and Enforcement

The chief executive of the City of Cheney is the elected Mayor, who performs the normal functions of an elected chief executive, including powers of appointment, supervision and dismissal of the director who directly manages the Solid Waste Division. The Mayor proposes the annual budget for the City and also sees ordinances passed (Cheney Municipal Code Chapter 8.12 (Appendix 5.0) and Cheney Municipal Code 8.16 (Appendix 6.0)) by the Cheney City Council affecting the solid waste operations and policies. The City of Cheney's legislative function is performed by the Cheney City Council. The Cheney City Council confirms and approves the solid waste budget, rates and ordinances.

The City Solid Waste Fund is reviewed annually to provide a plan for financing capital as well as operation expenses related to the solid waste management system. City collection requirements and operations are annually reviewed through routine budget process of the City, as well as required two-year review of the city capital improvement program. The City does not franchise its collection activities. At present, disposal of MSW is at the WTE as described in Section 2.2.1, and MRW collection and disposal as described in Section 2.1.6.

Enforcement of solid waste regulations is through the Department of Public Works, with assistance from other regulatory agencies as deemed necessary. MSW collection services and facilities identified in Section 2.1 are routinely inspected when deposited from City vehicles or by private parties. This

inspection is designed to control and manage the materials, debris, and refuse that is entering the waste stream. The City recognizes the priorities set forth by the State with regard to solid waste handling and the importance of eliminating hazardous materials from the general waste stream.

2.4.5 Public Participation

As part of the development of the city's *Comprehensive Municipal Solid Waste, Recycling, and Moderate Risk Waste Plan* there has been an opportunity for public engagement and involvement throughout the process in the development and management of the Plan. Some of the opportunities for public involvement are as follows:

- A specific solid waste management plan webpage on the city's website where the general public can review the sections of the Draft Plan (<https://www.cityofcheney.org/204/Solid-Waste-Recycling>)
- Notices about the Solid Waste Management Plan update in the city's newsletter and utility bills to direct interested parties to the plan webpage.
- News stories in the local newspaper (Cheney Free Press).

Additional opportunities for public involvement have been through the following:

- Planning Commission workshops.
- City Council informational items.
- Public meetings.

3.0 Alternatives and Solutions

The City of Cheney will be ending its contract with the Spokane Regional Solid Waste System in 2014. The City's current collection operation of MSW, recycling, and clean green will continue as currently provided including disposal of recycling and clean green waste. Alternatives and solutions that will be required under the City of Cheney *Comprehensive Municipal Solid Waste, Recycling, and Moderate Risk Waste Plan* include MSW disposal, MSW self-haul, and Moderate Risk Waste (MRW) collection and disposal.

The Washington State Department of Ecology, through WAC Chapter 173-350, has set minimum functional performance standards for the proper handling of all solid waste materials generated from residential, commercial, agricultural, and industrial operations, plus other sources. The above regulation identifies those functions necessary to assure effective solid waste handling programs, to include management of solid waste as follows: (a) waste reduction; (b) waste recycling; (c) energy recovery or incineration; and (d) landfill. Through this plan, City ordinances, policies and practices the responsibility of the City, its contracting entity and local government partners are identified. The City of Cheney has at all times conformed to the City's current Solid Waste Comprehensive Plan as integrated in the Spokane County Comprehensive Solid Waste Plan, and state and federal law. Further included in this plan is a discussion of the City's management plan for moderate risk waste. The City is aware of and practices the goals and policies set forth in the State Solid and Hazardous Waste Management Plan entitled "Beyond Waste Plan" 2009 update (<https://fortress.wa.gov/ecy/publications/SummaryPages/0907026.html>). As set forth in this plan, the City intends to contract for the disposal of MSW and MRW, and thus transfer those responsibilities to another entity subject to full compliance with state and federal law.

3.1 MSW Disposal

As described in the *Cheney Comprehensive Management Plan 2012-2031*, Section 1.3, (CSWMP) The City of Cheney ended its contract with the Spokane Regional Solid Waste System in 2014. A current interlocal agreement between Cheney and City of Spokane allows MSW disposal to continue at the Waste to Energy Plant as identified in the MSW disposal alternative for the City of Cheney to contract with an area transfer station (CSWMP, Section 1.3). The term of this contract at the selected transfer station will be based on tonnage costs and updated feasibility study as a decision tool to provide an option for the City to construct its own transfer station as described in section 3.3 and identified in CSWMP, Section 1.4. Currently the City has selected a site to construct its own transfer facility within its jurisdiction with design, permitting, and construction completion by 2024, if necessary.

3.2 MSW Self-Haul Service

As provided in section 2.1 collection services, Cheney residents are provided the opportunity to dispose of items that are not part of their mandatory collection services through the City's annual Clean Sweep event (section 2.1.9) and large item pick up. (Section 2.1.10) Spokane County, through their own planning process, will determine if self-haulers residing in jurisdictions under their own solid waste plan will be able to dispose of items at Spokane County area transfer stations. Cheney residents will still be provided this service through Cheney Clean Sweep, large item pick up service, and under the interlocal Agreement with City of Spokane be able to self-haul to the WTE plant.

3.3 MSW Transfer Station

Facility Description & Operations: This facility has yet to be constructed. This facility will only be constructed pending the results of contract negotiations with current and other potential facility operators.

Surveillance & Control: Solid waste facilities in Washington State are permitted by the local health district. The Spokane Regional Health District is the permitting agency for this transfer station. The Washington Department of Ecology (DOE) also has review authority of the permitting process. There is substantial incentive for the transfer station operators to self-regulate and maintain compliance with all requisite regulations, which are reviewed by the respective agencies.

Facility Siting: Under RCW 70.95.165, potential sites for a waste transfer facility in Cheney will be checked for compliance with Washington State Department of Ecology conformance standards for:

- Geology
- Soil
- Surface Water
- Cover Material
- Climatic Factors
- Toxic Air Emissions
- Groundwater
- Flooding
- Slope
- Capacity
- Land Use
- Other factors determined by Ecology

Plans for a potential waste transfer facility in Cheney will also be checked against:

- Local hazardous waste plans
- Land use/growth management plans
- Capital facilities plans
- Watershed plans
- Flood plain management plans
- Emergency management plans

Regulations and permits not specifically aimed at solid waste, but which protect environmental and public health, should also be reviewed for solid waste management application. These regulations and permits may address water and air pollution, fire protection and general public health. While it is recognized that regulations and plans change, this discussion may provide an important educational and reference tool for elected officials, SWAC, the solid waste industry, general public, and new local and state government staff.

4.0 MODERATE RISK WASTE

Moderate risk waste (MRW) is hazardous waste generated by residents and in small quantities by businesses and institutions. Revisions to Washington State's 1986 Hazardous Waste Management Act (RCW 70.105) defined MRW. MRW includes two categories of waste:

1. Household hazardous waste (HHW), which is generated by residents, and
2. Conditionally exempt small quantity generator waste (CESQG), which is generated in small quantities by businesses, schools, and other institutions. This term refers to both the waste and generator of that waste.

These wastes include many common materials—cleaning, yard care and automotive products—that contain toxic, flammable, reactive, or corrosive ingredients. Cheney Municipal Code (CMC 8.12.360) prohibits disposing HHW in garbage. Disposed of improperly, these products can pose a threat to human health and the environment.

4.1 MRW - Existing Conditions

MRW Collection and Disposal — Cheney opened its Recycling Facility in 1994. The Recycling Facility is located at 100 Anderson Road in Cheney. MRW products accepted at the facility include:

- Ferrous and non-ferrous metals
- Waste oil
- Vehicle (lead acid) batteries
- Household (dry cell) batteries
- Fluorescent bulbs

4.2 MRW – Disposal

The Cheney Recycling Facility can accommodate the collection of the MRW identified above. Disposal of batteries and motor oil is available to residential customers, and is collected on site and disposed of through vendors. Used motor oil must be uncontaminated and in sealed 1-gallon containers, allowing up to 2-gallons per resident per visit. Proper testing of motor oil for contamination is provided by solid waste staff and verified through vendor at disposal.

The City of Cheney currently contracts with Batteries Plus to handle the off-site disposal of batteries. The City contracts with Emerald Recycling to handle the off-site disposal of used motor oil.

- Batteries Plus, 7704 N Division St, Spokane, WA (509) 489-4226
- Emerald Recycling, 6308 E. Sharp, Spokane, WA (509)-928-6789

4.3 MRW – Small/Large Businesses

The City of Cheney and the Department of Ecology have identified four businesses/facilities that hold federal ID numbers as hazardous waste generators. Two of those facilities are conditionally exempt small quantity generators (CESQGs). They generate less than 220 pounds of Dangerous Waste and less than 2.2 pounds of Acutely Hazardous Waste or WT01 toxic waste per month. Two other facilities have been

identified as large quantity generators (LQGs), and are fully regulated by Department of Ecology under the Dangerous Waste Rules.

4.4 MRW Education & Outreach

4.4.1 Utility Bill Newsletter

The City of Cheney manages utilities (water, wastewater, solid waste, and electric) for its customers. Each month a newsletter is included in the utility bill that provides educational information spanning a broad range of topics. Information and education on MRWs are regularly seen in these newsletters.

4.4.2 Utility Bill Inserts

Utility bill inserts are in addition to the newsletter and provide additional education items and programs. The annual Cheney Clean Sweep is an example of an activity promoted by this type of bill insert.

4.4.3 City of Cheney Website

The City of Cheney manages its own website that includes educational, programs, activities, news items and calendar events. The website is designed to easily search out information for any user wanting information on a multitude of topics, including MRWs.

4.4.4 Cheney Clean Sweep

Cheney Clean Sweep, started in 2010, is an annual one day Saturday event in April that allows citizens of Cheney to self-haul disposable and large recyclable items to one of two collection areas located in the city. In the past, recycling items have included construction debris, metals, tires, and office shredding service. Starting in 2015, the City will include the collection of small amounts of MRW at the Recycling Facility during the Clean Sweep Event. During an event, the City will contract with a disposal company to collect the MRW, to be hauled off-site immediately following the event. There is no charge for disposal for citizens during this event. This will be the only residential or business MRW collection opportunity in Cheney on an annual basis. Small businesses will be accommodated with disposal during the Clean Sweep events.

4.4.5 MRW Plan and Update

The City will review and update the MRW Plan as necessary when the Spokane Countywide Solid Waste Management Plan (CSWMP) is updated. Changes may be deemed necessary due to changes in State law, conditions in the City, budgets, and/or other issues. If changes are identified, the City will develop the changes for review and approval by the City.

4.4.6 Plan Implementation Recommendations

The City of Cheney recommends that the small business education and technical assistance and the residential education and collection programs described in the preceding sections of this chapter be implemented through the public works utility at City of Cheney.

5.0 Recommendations

During the planning process, input was sought from a variety of participants throughout the City. Evaluations and comparisons of solid waste collection and disposal alternatives discussed in Section 3 lead this Plan to recommend implementing a progressive approach that will provide affordable means for continued responsible collection and disposal of MSW, MRW, and recycling. Recommendations include:

- The City of Cheney contracts with the City of Spokane (WTE) for the disposal of its MSW.
- The term of this contract will be based on tonnage costs and updated feasibility study as a decision tool to provide an option for the City to construct its own transfer station. Currently the City has selected a site to construct its own transfer facility within its jurisdiction with design, permitting and construction completion possible by 2024, if necessary.
- Self-haul for Cheney residents will be provided through Cheney Clean Sweep, Large Item pick up service, or to self-haul to an approved Spokane County accepted disposal facility (section 3.1.2) or City's contracted transfer station or if necessary, its own transfer station.
- The City of Cheney will incorporate MRW into its annual Cheney Clean Sweep event. The collection site during this event will be at the Cheney Recycling Facility. During an event, the City will contract with a disposal company to collect the MRW, to be hauled off-site immediately following the event. There is no charge for disposal for citizens during this event. This will be the only residential or business MRW collection opportunity in Cheney on an annual basis. Small businesses will be accommodated with disposal during the Clean Sweep events. This program will require substantial education and encouragement on the part of the City of Cheney. Residents will regularly be encouraged throughout the year to utilize the services available at the Cheney Recycling Center, and to save up MRW which cannot be accepted at the Recycling Facility, and hold it for the disposal event. The Cheney Solid Waste Division will advertise the date and location of MRW collection event well in advance, and accommodate drop-off acceptance of these materials.

The Plan recommends the above collection and disposal alternatives as a means to improve solid waste collection and disposal of MSW, MRW, and recycling. These alternatives and alternatives identified in the Cheney Comprehensive Solid Waste Management Study 2012-2031 should be frequently reviewed and considered to improve solid waste collection, disposal, and recycling waste reduction.

6.0 Appendices

- Appendix 1: Spokane Regional Solid Waste Management System Interlocal Agreement
- Appendix 2: Comprehensive Solid Waste Management Study 2012-2031
- Appendix 3: Solid Waste Residential Curb Side Service and Recycling Facility Map
- Appendix 4: Capital Facilities Plan 2020-2025
- Appendix 5: Cheney Municipal Code Chapter 8.12 Solid Waste Disposal
- Appendix 6: Cheney Municipal Code Chapter 8.16 Yard Waste Disposal
- Appendix 7: Projected Needs and Financing for Solid Waste Handling
- Appendix 8: SEPA DNS & Checklist
- Appendix 9: Resolution Adopting Cheney Comprehensive Municipal Solid Waste, Recycling, and Moderate Risk Waste Management Plan
- Appendix 10: City of Spokane - Interlocal Agreement for disposal of MSW
- Appendix 11: Contamination Reduction and Outreach Plan (CROP)