

Electric Load Growth & Agency Planning Update



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July 9, 2018

Today's Agenda

- Update on large customer project
- Report on June 20th. Agency Planning meeting- (Cryptocurrency Zoning)
- No action requested

Coordination with Planning Entities From May 14, 2018

- Continued County and municipal engagement efforts will focus on coordination of planning & zoning expectations
- Communicate available capacity areas to planning entities
- Early indications:
 - Cryptocurrency in residential area is unsafe and not desired
 - Using growth capacity for cryptocurrency mining limits local organic growth flexibility
 - Consider options for creating cryptocurrency zones



Joint Agency Planning Meeting

June 20, 2018

Desired Outcomes:

- 1) Align on common direction for zoning, planning and permitting for cryptocurrency within the County and incorporated areas of Chelan County
- 2) Align on planning processes specifically with the serving utility
- 3) Share concepts and ideas for developing ordinances, codes, policies and safety standards to properly site cryptocurrency loads

Meeting discussion

- a) Presentation on growth projections with cryptocurrency and impacts to electrical grid: Chelan PUD
- b) Mixed use (mining in the home) challenges and safety concerns: Chelan PUD
- c) Discussion on Cryptocurrency zoning preference
- d) Concepts to memorialize planning and zoning for cryptocurrency: 1) Where, 2) How much, 3) When

Meeting Highlights:

- Agency planners have a deeper understanding of the electrical supply limitations of widely distributed cryptocurrency mining operations in Chelan County.
- Agency planners recognize the need to update zoning and incorporate electrical planning requirements into growth plans.
- Agency planners requesting more time with the District to re-establish zoning and associated processes around growth planning and permitting.

Action Items:

- Chelan PUD to perform engineering study on impact of cryptocurrency operations in residential space.
- Agency planners work toward updating Comprehensive Plans to reflect zoning for cryptocurrency operations
(where, when, & how much)
- Planners believe their agency needs a deeper understanding of the economic value to the communities from resourcing cryptocurrency mining
- Agency planners requesting PUD staff provide background information on challenges to City Councils and County Commissioners.



Customer Growth Projects Update

Power requests by area

(~3 year look-ahead & HDL moratorium included)

Leavenworth area:

EV Charging Station	~ .75 MW
Commercial	~ 1.9 MW
Residential Aptm complex	~ 1.7 MW
Housing Developments	~ .35 MW
Recreation	~ .20 MW
HDL Mining	~ .50 MW
Public Transportation	~ 0.8 MW

5.7 MW

Cashmere area:

HDL-Mining (previously approved)	~ 2.4 MW
Commercial	~ 1.0 MW

3.4 MW

Wenatchee area:

High Density Load Multiple Locations	~ 110 MW
High Tech Manufacturing	~ 7 MW
Ski / Recreation	~ .5 MW
Residential Developments	~ 1 MW
Agriculture - Fruit Storage	~ 4 MW
Agriculture - Irrigation	~ 2 MW

14.5 MW

Chelan area:

Recreation	~ 3.0 MW
Commercial/Ag.	~ 1.6 MW
Residential Developments	~ 5.0 MW
HDL Mining	~ 6.5 MW

9.6 MW

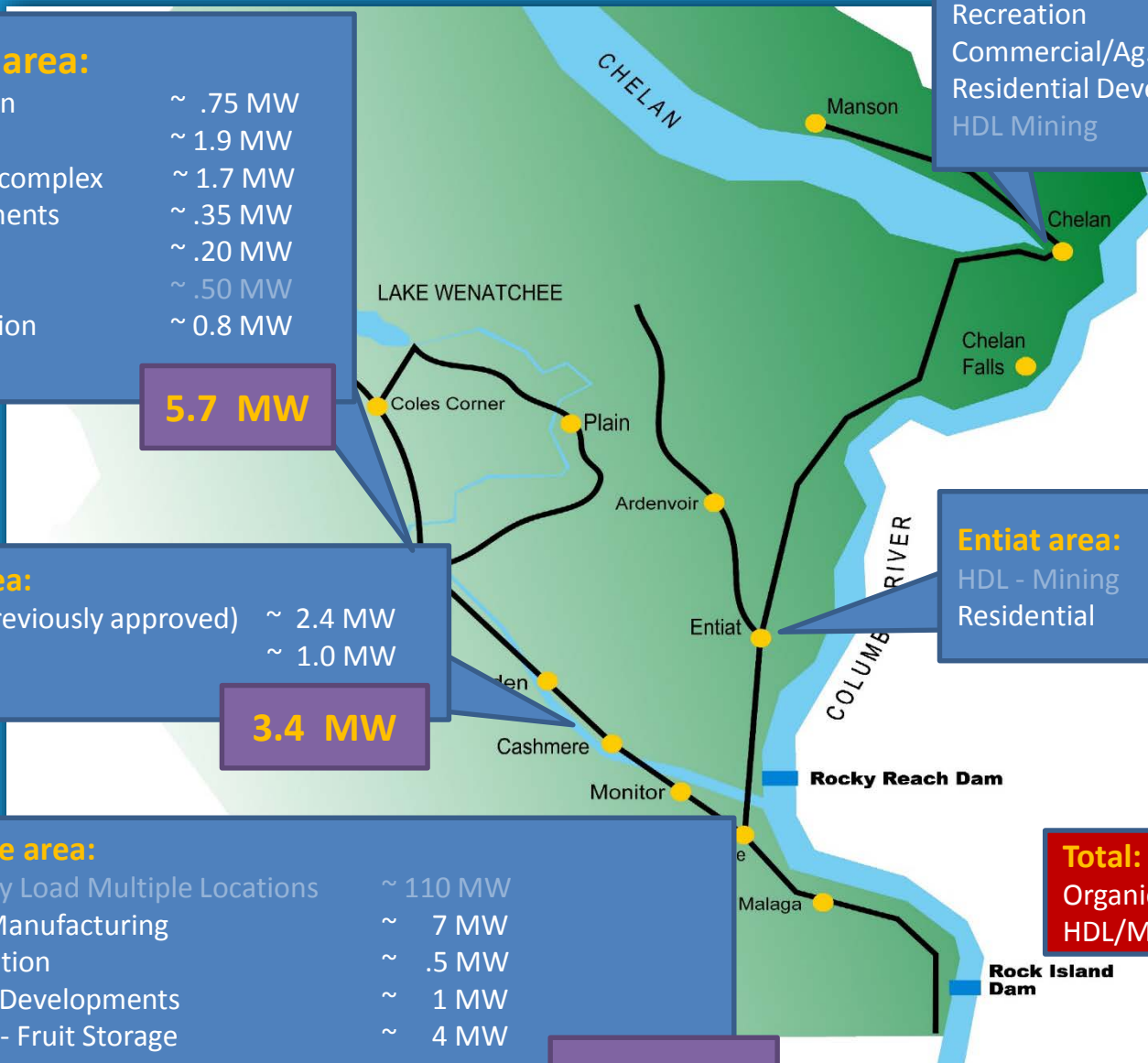
Entiat area:

HDL - Mining	~ 100 MW
Residential	~ .10 MW

0.1 MW

Total: (July 9)

Organic Growth	= 30.9
HDL/Mining	= 2.4



Active Non-Crypto Customer Projects

~ 1.5 MW

- 179 multi family housing units behind Safeway Leavenworth.
 - Design 2018, Construction 2018-2019
- 8 multi family housing units, North Western, Wenatchee
 - Design 2018, Construction 2018-2019
- 16 apartment units, Evergreen Street, Cashmere
 - Design 2018, Construction 2018-2019
- 20 multi family housing units, Mt View Dr., Chelan
 - Application Pending, Design, Construction 2018-2019
- 67 multi family units, South Wenatchee Ave. , Wenatchee
 - Application Pending, Design, Construction 2018-2019
- 63 lots residential development, Legacy Ridge phase 2 & 3, Chelan
 - Design 2018, Construction 2018-2019
- 5 lots residential development Squilchuck, Wenatchee
 - Design 2018, Construction 2018-2019
- Large Worship Center, Easy Street, Sunnyslope
 - Design 2018, Construction 2018-2019

~ 3.4 MW

- Port District, Leased space, **3.4 MW**, Cashmere Mill Site
 - Application Pending, Design, Construction 2018-2019..

~ 4.9 MW



Looking forward:

- Continue work with agencies on zoning and large utility infrastructure siting
- Organize a Multi-Council/Commission study session (PUD, County, Municipalities leaderships)
- Focus on identifying agency preference on cryptocurrency planning and zoning
- Be responsive to new customer growth



Questions