

Electrical Quarterly Load Update

April 1, 2019



Andy Wendell – Director of Customer Services

Chad Rissman – Director of Engineering & Asset Management



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Today's Agenda

- Updated load forecast
 - Overview of active project of note
 - Mobile substation resolution preview
 - Q2 action items
-
- No Action Requested Today <Information only>

*We are continuing to see steady growth
in new construction throughout the County*




Photo: Chelan County Port District - Cashmere

10 Year Load Forecast Change

(Net of Energy Conservation Plans)

Date of Forecast	Base Case	High Case	Low Case
June 2018	77 aMW	245 aMW	7 aMW
Sept 2018	77 aMW	245 aMW	7 aMW
March 2019 Annual Growth Rate No change from Dec 2018	48 aMW * 2 %	203 aMW * 6.6 %	7 aMW 0.3 %

Current
Forecast



* Note:

Reduction in Base and High cases is primarily associated with anticipating less Crypto/HDL over ten year forecast

Active Projects of Note:

Cryptocurrency Expansion- Cashmere (Contracted)	2019	2.0 MW
84 unit apartment, - Red Apple Rd Wenatchee	2019	0.5 MW
311 unit apartments, -Leavenworth & Wenatchee	2019	0.9 MW
Icicle Brewery – Leavenworth	2019	0.3 MW
Slide Waters Ph. 1 expansion – Chelan	2019	1.7 MW
Hilton Hotel - Worthen St –Wenatchee	2019	0.5 MW
Comfort Suites Hotel – Wenatchee – Olds Station	2019	0.4 MW
Fruit Storage – Chelan	2019	2.0 MW
Conf Health Parking Garage – Wenatchee	2019-2020	.15 MW
Diamond Foundry – North Wenatchee	2019-2020	7.0 MW+
Mission Ridge Ph.1 - Squilchuck	2020-2021	1.5 MW

NEW PROJECTS RECEIVED SINCE Jan 1, 2019 :

Wenatchee Supportive Housing – Vue Dale Drive Inn: 64 apartments,	0.3 MW
McKitrick Place LLC – 44 units:	0.125 MW
Sleep Inn 195 East Penny Rd, 89 hotel rooms:	0.3 MW
Port District Cashmere Mill:	0.5 MW
Avid Hotel 1640 N Wenatchee Ave, 95 rooms:	0.3 MW
My Place Hotel across from Riverside 9's, 64 rooms:	0.3 MW
Lake Chelan Community Hospital:	0.5 MW
River Park Hotel near Town Toyota Center, 125 room:	0.5 MW
Molitor apartments Easy Street at School Street, 400 units plus commercial:	3.0 MW
CW Hospital Parking Garage (unknown load)	
Local Tel at old Federal building (unknown load)	

Electric requests by area

(3 to 5 year view)

Leavenworth area:

Commercial	~ 1.0 MW
Residential Multi complex	~ 1.0 MW
Housing Developments	~ 0.35 MW
Recreation	~ 0.20 MW
Restaurant/Brewery	~ 0.30 MW

2.85 MW

Chelan area:

Recreation	~ 1.5 MW
Commercial/Ag.	~ 5.0 MW
Residential Developments	~ 3.0 MW

9.5 MW

Cashmere area:

HDL-Mining (previously approved)	~ 2.0 MW
Commercial	~ 1.5 MW

3.5 MW

Entiat area:

Residential	~ .10 MW
Commercial	~ .25 MW

0.35 MW

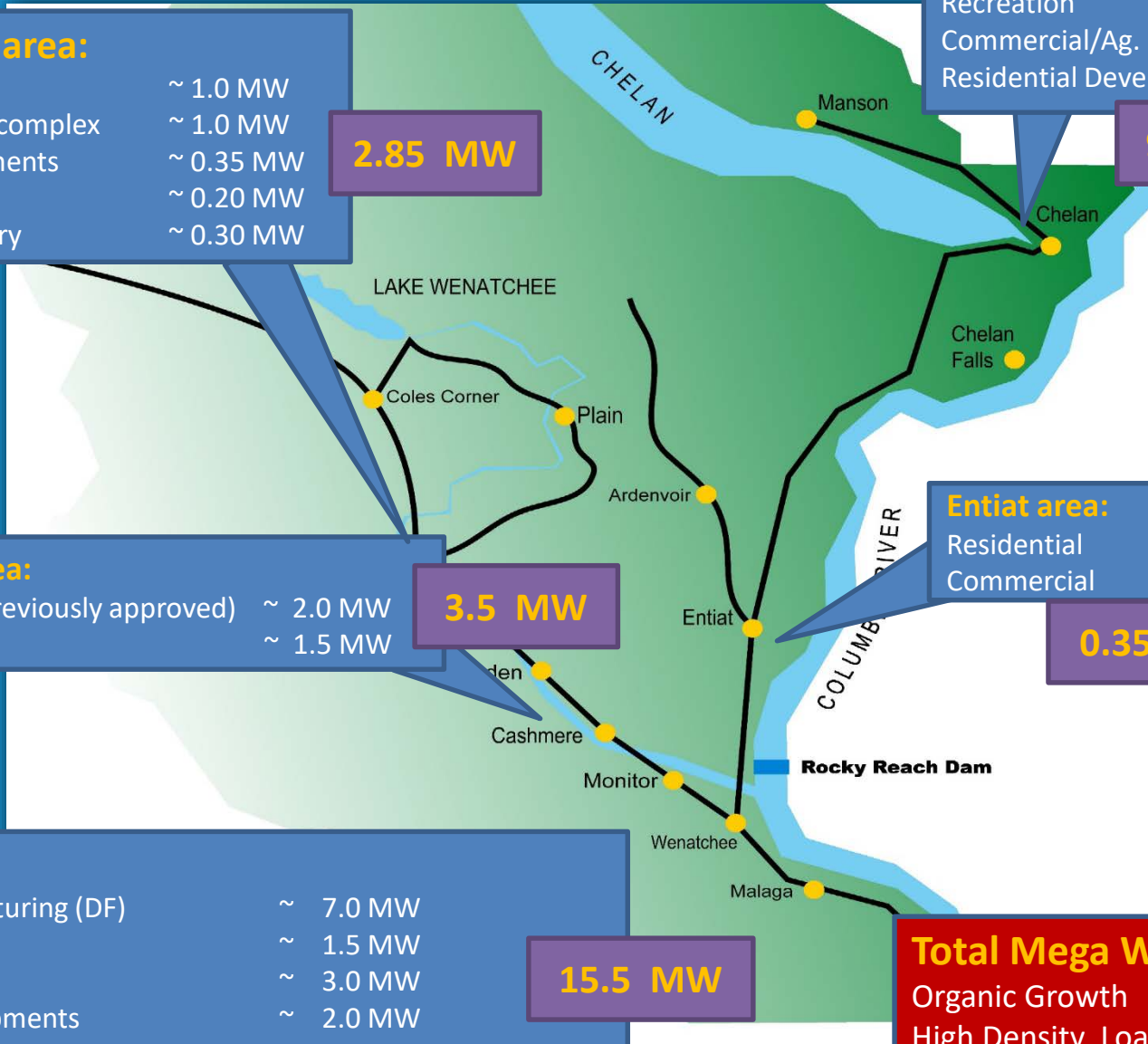
Wenatchee area:

High Tech Manufacturing (DF)	~ 7.0 MW
Ski / Recreation	~ 1.5 MW
Commercial	~ 3.0 MW
Residential Developments	~ 2.0 MW
Agriculture - Irrigation	~ 2.0 MW

15.5 MW

Total Mega Watts

Organic Growth	=	23 MW
High Density Load	=	7 MW
Crypto currency	=	2 MW



Mobile Station Fleet



Anticipating resolution for authorization to advertise and budget

(2) New mobile units
25 MW per unit

New mobiles replace 2 existing units that are at end of life

Maintains (3) units for Operations and maintenance and contingency

Cost

Existing forecast for single at \$3.5M.
Requesting additional \$1.7M in 2020 budget for total \$5.2.

Mobile Station Benefits

Engineering has determined (3) fully functioning 25MVA mobiles as optimum –



- Provides capacity for maintenance support of critical assets
- Maintenance is life extending, reducing total ownership costs
- Provides contingency options where load transfers are not an option
- Critical for supporting planned substation refurbishments



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Action Items Q2 2019

- Cryptocurrency moratorium lifted April 1, 2019- working through new application process
- Continuing work on substation siting efforts
- Progress on active customer lists as well as new project applicants
- Continuous monitoring of load growth
- Mobile substation resolution to advertise in mid-April and authorize future budget \$2M each or \$4M total.
- Forecast has 2020 with \$3,5M

Questions

